

<210> 1382
 <211> 320
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1382

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ccgagcgctg ccttgactgg ggcgaggcgg gcggccccga cctcatcgtc gacgacggcg 60
gcgacgccac gctgctcatc cacgaggggtg tcaaggccga ggaggagtac gagaagaccg 120
gcaagatccc cgacncggag tccaccgaca acgctgagtt caagatcgtg ctcaccatca 180
tccgcgacgg gctcaaggct gaccccaaga agtaccgcaa gatgaaggag aggcttgtcg 240
gcgtctctga ggagaccacc acgggtgtca agaggctcta ccagatgcag gagaccggcg 300
ccctcctctt ccctgccatt 320
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<210> 1383
 <211> 455
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1383

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ctcaaggctg accccaagaa gtaccgcaag atgaaggaga ggcttgtcgg cgtctctgag 60
gagaccacca cgggtgtcaa gaggtcttac cagatgcagg agaccggcgc cctcctcttc 120
cctgccatta acgtcaacga ttccgtcacc aagagcaagt ttgacaacct gtatggttgc 180
cggcactcgc tccctgatgg tctgatgagg gccactgacg ttatgatcgc cggtaagggtt 240
gctgtggtct gcggatacng tgatgtcggc aagggttgtg ctgctgcctn aaacaggctg 300
gtgccccgtg tcattgtgac ccagatcgac cccatctgtg cccttcaagc ttctgatnga 360
nggncttcan gtccttcctt tggaaggacg ttgtntttgn aacttgacat tttngntgg 420
accaccactt gggaacaagg ggtnttatta ttggg 455
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<210> 1384
 <211> 317
 <212> DNA
 <213> Zea mays

<400> 1384

cgagatcgac cccatctgtg ccctccaggc tctgatggag ggtcttcagg tccttccctt 60
ggaggacgtt gtctctgaag ctgacatctt cgtgaccacc actggcaaca aggatatcat 120
catggttgac cacatgagga agatgaagaa caatgccatt gtctgcaaca ttggccactt 180
tgacaatgaa attgatatgc tcggccttga gacctaccct ggcgtcaagc gcatcaccat 240
caagccccag actgaccgct ggggtgtccc cgagaccaac actggcatca ttgtccttgc 300
tgagggtcgc ctgatga 317

<210> 1385
<211> 332
<212> DNA
<213> Zea mays

<400> 1385

gaacaatgcc attgtctgca acattggcca ctttgacaat gaaattgata tgctcggcct 60
tgagacctac cctggcgtca agcgcatac catcaagccc cagactgacc gctgggtgtt 120
cçcgagacca aactggcat cattgtcctt gctgagggtc gcctgatgaa ccttgggtgt 180
gctactggcc atcctagctt tgtcatgtcc tgctcattca ctaaccaggt cattgccc aa 240
cttgaactgt ggaaggagaa gagctctggc aagtatgaga agaaggtgta tgtgtctccc 300
aagcaccttg atgagaaggt tgctgtctc ca 332

<210> 1386
<211> 337
<212> DNA
<213> Zea mays

<400> 1386

cggcgccctc ctcttccctg ccattaacgt caacgattcc gtcaccaaga gcaagtttga 60
caacctgtat ggttgccgcc actcactccc tgatggtctg atgagggcca ccgacgttat 120
gatcgccggt aaggttgccg tggctctcgg atacggtgat gttggcaagg gttgtgccgc 180
tgcaactcaag caggctggtg cccgtgtcat tgtgaccgag atcgacccca tctgcgccct 240
ccaggctctg atggagggtc ttcaggctct tcccttgag gagttgtctc ggaagctgac 300
atcttcgtga ccacccatgg caacaaggat atcatca 337

<210> 1387

<211> 316
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1387

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gtcttcaggt ccttcccttg gaggacgttg tctctgaagc tgacatcttc gtgaccacca 60
ctggcaacaa ggatatcatc atgggtgacc acatgaggaa gatgaagaac aatgccattg 120
tctgcaacat tggccacttt gacaatgaaa ttgatatgct cggccttgag acctaccctg 180
gcgtaagcg catcaccatc aagccccaga ctgaccgctg ggtgttcccc gagaccaaca 240
ctggcatcat tgtccttgct ganggtcgcc tgatgaacct tgggtgtgct actggccatc 300
ctagctttgt catgtc 316
```

<210> 1388
 <211> 315
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1388

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gcgctcggcg ccgaggtccg ctggtgctcc tgcaacatct tctccacgca ggaccaagcc 60
gccgccgcca tcnccgcgna ctccggccgc gtgttcgcct ggaaggggga gacccttgan 120
gagtaactggt ggtgcaccga gcgctgcctt gactggnngcg angcggggcg ccccnacctc 180
atcgctgacg acggcggcga cgccacgctg ctcatccacg aggggtgtcaa ggccgaggag 240
gagtaagaga agaccggcaa gatccccgac ccggagtcca ccgacaacgc tgagttcaag 300
atcgtggtca ccac 315
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<210> 1389
 <211> 310
 <212> DNA
 <213> Zea mays

<400> 1389

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tctgaggaga ccaccacggg tgtcaagagg ctctaccaga tgcaggagac cggcgccctc 60
ctcttccctg ccattaacgt caacgattcc gtcaccaaga gcaagtttga caacctgtat 120
ggttgccgcc actcgctccc tgatggtctg atgagggccca ctgacgttat gatcgccgga 180
```

aaggttgccg tggctctgcg atacggtgat gtcggcaagg gttgtgctgc tgccctcaag 240
caggctggtg cccgtgtcat tgtgaccgag atcgacccca tctgtgccct ccaggctctg 300
atggagggtc 310

<210> 1390

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1390

ggggtctctc cacatgacca tccagacnng caagatcccc gatccggagt ccaccngna 60
cgctgagttc aagatcgtgc tcaccatcat ccgcgacggg ctcaaggctg accccaagan 120
gtaccgcaag atgaaggaga ggcttgtcgg cgtctntgag gagaccacca cgggtgtcaa 180
gaggtcttac cagatgcagg agaccggcgc cctcctcttc ctgccattaa cgtcaacgat 240
tccgtcacca agagcaagtt tgacaacctg tatggttgcc gncactcgct ccctgatggt 300
ctgatgaagg gccactgacc ttatgatcgc ccgaaanggt gccgtggtct gcggataccg 360
tgatgtcngc aaaggggtgt gcttnttnan ttaaancang cttggtggcc ctgtcantnt 420
gaaccananc caancccatn tttggnccct cagggtt 457

<210> 1391

<211> 520

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1391

agttnattna aggnnggngg ntgnaagnta tactcgtncg gaattcccgg gtcgaccac 60
gcgtccgata tcncagaccc aattcgngag ttctnnntan tctgccgaca tggcgctctc 120
tgtggagaag acctgntctg gacgggagta caaggtaag gatctctagc aggcggactn 180
aggccgacta gagattgagc tggccgaggt cgaaatgccc ggccnatgg cgtgccngc 240
cgagttcggc ccgtncaaag ccttngccgg cgctaggatc tcggggtctc tccacatgac 300
cattcagacc gncgtcctca tcgagacct caccgcgctc ggcccgagg tccgctggtg 360
ctcctgcaac atcnttcttc acgcangacc acgccgnogn cgtcatcgn cgcgactcgg 420

ccggcgtggt cgccctggaan ggggagaccc ttgangagtc tgggtggtgca ccgnacgctt 480
gcntanntgg gccaaagcggc cggcccgacc tattgtngac 520

<210> 1392
<211> 305
<212> DNA
<213> Zea mays

<400> 1392

cgtcgacgac ggcggcgacg ccacgctgct catccacgag ggtgtcaagg ccgaggagga 60
ttacgagaag accggcaaga tctccgaccc ggagtccacc gacaacgctg agttcaagat 120
cgtgctcacc atcatccgcg acgggctcaa ggctgacccc aagaagtacc gcaagatgaa 180
ggagaggctt gtcggcgtct ctgaggagac caccacgggt gtcaagaggc tctaccagat 240
gcaggagacc ggcgccctcc tcttccctgc cattaacgtc aacgattccg tcaccaagag 300
caagt 305

<210> 1393
<211> 317
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1393

gtgcccgtgt cattgtgacc gagatcgacc ccactctgnc cctccaggct ctgatggagg 60
gtcttcagggt ccttcccttg gaggacgttg tctcgggaagc tgacatcttc gtgaccacca 120
ctggcaacaa ggatatcatc atggttgacc acatgaggaa gatgaagaac aatgccattg 180
tctgcaacat tggccacttt ganaatgaaa ttgatatgct cggccttgag acctaccctg 240
gcgtcaagcg catcaccatc aagccccaga ctgaccgctg ggtgttcccc gagaccaaca 300
ctggcatcat tgtcctt 317

<210> 1394
<211> 309
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1394

gctgccttga ctggggcgag gcgggcggcc ccgacctcat cgtcgacgac ggcgggcgacg 60
ccâcgcgtgct catccacgag ggtgncaagg ccgaggagga gtacgagaag accggcaaga 120
tccccgaccc ggagtcacc gacaacgctg agttcaagat cgtgctcacc atcatccgcg 180
acgggctcaa ggctgacccc aagaagtacc gcaagatgaa ggagaggctt gtcggcgctct 240
ctgaggagac caccacgggt gtcaagaggc tctaccagat gcaggagacc ggcgccctcc 300
tcttccctg 309

<210> 1395
<211> 335
<212> DNA
<213> Zea mays

<400> 1395

atcaagcccc agactgaccg ctgggtgttc cccgagacca aactggcat cattgtcctt 60
gctgaggggtc gcctgatgaa ccttgggtgt gctactggcc atcctagctt tgtcatgtcc 120
tgctcattca ctaaccaggt cattgccccaa cttgaactgt ggaaggagaa gagctctggc 180
aagtatgaga agaaggtgta tgtgctcccc aagcaccttg atgagaaggt tgctgctctc 240
cacttgggca agcttgggtgc caagctgacc aagctcacca agtctcaggc cgactacatc 300
agcgtgccga tcgaggggtcc ctacaagcct gccc 335

<210> 1396
<211> 334
<212> DNA
<213> Zea mays

<400> 1396

atcaagcccc agactgaccg ctgggtgttc cccgagacca aactggcat cattgtcctt 60
gctgaggggtc gcctgatgaa ccttgggtgt gctactggcc atcctagctt tgtcatgtcc 120
tgctcattca ctaaccaggt cattgccccaa cttgaactgt ggaaggagaa gagctctggc 180
aagtatgaga agaaggtgta tgtgctcccc aagcaccttg atgagaaggt tgctgctctc 240
cacttgggca agcttgggtgc caagctgacc aagctcacca agtctcaggc cgactacatc 300
agcgtgccga tcgaggggtcc ctacaagcct gccc 334

<210> 1397

<211> 317
 <212> DNA
 <213> Zea mays
 <400> 1397
 aagcgcatca ccatcaagcc ccagactgac cgctgggtgt tccccgagac caaactggc 60
 atcattgtcc ttgctgaggg tcgcctgatg aaccttgggt gtgctactgg ccacccctagc 120
 tttgtcatgt cctgctcatt cactaaccag gtcattgccc aacttgaact gtggaaggag 180
 aagagctctg gcaagtatga gaagaagggtg tatgtgctcc ccaagcacct tgatgagaag 240
 gttgctgctc tccacttggg caagcttgggt gccaaagctga ccaagctcac caagtctcag 300
 gccgactaca tcagcgt 317

<210> 1398
 <211> 303
 <212> DNA
 <213> Zea mays
 <400> 1398
 catcatccgc gacgggctca aggctgaccc caagaagtac cgcaagatga aggagaggct 60
 tgtcggcgctc tctgaggaga ccaccacggg tgtcaagagg ctctaccaga tgcaggagac 120
 cggcgccctc ctcttccctg ccattaacgt caacgattcc gtcaccaaga gcaagtttga 180
 caacctgtat gggttgccgc actcgctccc tgatgggtctg atgagggcca ctgacgttat 240
 gatcgccgga aagggttgccg tgggtctgcgg atacggtgat gtcggcaagg gttgtgctgc 300
 tgc 303

<210> 1399
 <211> 311
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <400> 1399
 agcaggctgg tgcccgtgtc attgtgaccg agatcgaccc catctgcnc cccaggctc 60
 tgatggaggg tcttcaggct cttcccttgg aggacgttgt ctggaagct gacatcttcg 120
 tgaccaccac tggcaacaag gatatcatca tggttgacca catgaggaag atgaagaaca 180
 atgccattgt ctgcaacatt ggccactttg acaatgaaat tgatatnctc ggccttgaga 240

cctaccctgg cgtaagcgc atcaccatca agccccagac tgaccgctgg gtgttccccg 300
agaccaacac t 311

<210> 1400
<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1400

caaggatata atcatggttg accacatgag gaagatgaag aacaatgcca ttgtctgcaa 60
cattggccac tttagaatg aaattgatat gctcggcctt gagacctacc ctggcgtcaa 120
gcgcatacacc atcaagcccc agactgaccg ctggnggttc cccgagacca aactggcat 180
cattgtcctt gctgagggtc gcctgatgaa ccttgggtgt gctactggcc atcctagctt 240
tgtcatgtcc tgctcattca ctaaccaggt cattgcccac cttgaactgt ggaaggagaa 300
gagctctg 308

<210> 1401
<211> 309
<212> DNA
<213> Zea mays

<400> 1401

ggctggtgcc cgtgtcattg tgaccgagat cgaccccatc tgcgccctcc aggctctgat 60
ggaggggtctt caggtccttc ccttggagga cgttgtctcg gaagctgaca tcttcgtgac 120
caccactggc aacaaggata tcatcatggt tgaccacatg aggaagatga agaacaatgc 180
cattgtctgc aacattggcc actttgacaa tgaaattgat atgctcggcc ttgagaccta 240
ccctggcgtc aagcgcata ccatcaagcc ccagactgac cgctgggtgt tccccgagac 300
caacactgg 309

<210> 1402
<211> 311
<212> DNA
<213> Zea mays

<400> 1402

cttcgtgacc accactggca acaaggatat catcatgggt gaccacatga ggaagatgaa 60
gaacaatgcc attgtctgca acattggcca ctttgacaat gaaattgata tgctcggcct 120
tgagacctac cctggcgtca agcgcatacac catcaagccc cagactgacc gctgggtgtt 180
ccccgagacc aacactggca tcattgtcct tgctgagggg cgcctgatga accttgggtg 240
tgctactggc catcctagct ttgtcatgtc ctgctcattc actaaccagg tcattgccaa 300
cttgaactgt g 311

<210> 1403
<211> 338
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<400> 1403

gtttgacaac ctgtatgggt gccgccactc gctccctgat ggtctgatga gggccactga 60
cgttatgata gccggaaaang ttgccgtggg ctgcggatac ggtgatgtcg gcaagggttg 120
tgctgctgcc ctcaagcagg ctgggtccccg tgtcattgtg accgagatcg accccatctg 180
tgccctccag gctctgatgg aggggtcttca ggctcctccc ttggaggacg ttgtctctga 240
agctgacatc ttcgtgacca ccaactggcaa caaggatata atcagggttg ccacatgang 300
aagatgaaga acaatgccat gtctgcaaca tggccant 338

<210> 1404
<211> 306
<212> DNA
<213> Zea mays

<400> 1404

ggagacctac cctggcgtca agcgcatacac catcaagccc cagactgacc gctgggtgtt 60
ccccgagacc aacactggca tcattgtcct tgctgagggg cgcctgatga accttgggtg 120
tgctactggc catcctagct ttgtcatgtc ctgctcattc actaaccagg tcattgcccc 180
acttgaactg tggaaggaga agagctcttg caagtatgag aagaagggtg atgtgctccc 240
caagcacctt gatgagaagg ttgctgctct ccacttgggc aagcttggtg ccaagctgac 300
caagct 306

<210> 1405
 <211> 424
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1405

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anangctncn gcggtctcct gntacaanag annnnnnnnaa nggttgngct natgccgtna 60
ancaanntga ngcccgagtc attgtnaccg agatcgaccc catctgtgcc ctncaggctc 120
tgatggaggg tcttcaggtc cttcccttgn aggacgttgt ctctgaagct gacatcttcg 180
tgaccaccac tggcaacaag gatatcatca tggttgacca catgaggaag atgaagaaca 240
atgccattgt ctgcaacatt ggccactttg acaatgaaat tgatatgctc ggccttgaga 300
cctaccctgn cgtcaagcgc atcaccatca agccccagac tgaccgctgg gtgttccccg 360
agaccaacac ttggcattca ttgtccttgc tgaaggtcnc cctgattaac ctttggttgt 420
gcta 424
```

<210> 1406
 <211> 299
 <212> DNA
 <213> Zea mays

<400> 1406

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gtgaccgaga tcgaccccat ctgtgccctc caggctctga tggaggggtct tcaggtcctt 60
cccttgaggg acgttgtctc tgaagctgac atcttcgtga ccaccactgg caacaaggat 120
atcatcatgg ttgaccacat gaggaagatg aagaacaatg ccattgtctg caacattggc 180
cactttgaca atgaaattga tatgctcggc cttgagacct accctggcgt caagcgcac 240
accatcaagc cccagactga ccgctgggtg ttccccgaga ccaacactgg catcattgt 299
```

<210> 1407
 <211> 299
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1407

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gcccgtccaa gcccttcgcc ggcgctagga tctcggggtc tctccacatg accatccaga 60
ccgccgtcct catcgagacc ctcaccgcgc tcggcgccga ggtccgctgg tgctcctgca 120
```

acatcttctc cacgcaggac cacgccgccg ccgccatcgc gcgcnactcg gccgccgtgt 180
tcgcctggna gggggagacc ctcgaggagt actggtggtg caccgagcgc tgcctcgact 240
ggngcgangc gggcggnccc gacctcatcg tcgacgacgg cggcgacgcc acgtgtctc 299

<210> 1408

<211> 303

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1408

cacgcaggac cacgccgccg ccgccatcgc gcgcgactcg gccgccgtgt tcgcctggna 60
gggggagacc cttgaggagt actggtggtg caccgagcgc tgccttgact ggggcgagggc 120
gggcggcccc gacctcatcg tcgacgacgg cggcgacgcc acgtgtctca tccacgaggg 180
tgtcaaggcc gaggaggagt acgagaagac cggcaagatc cccgacccgg agtccaccga 240
caacgctgag ttcaagatcg tgctcaccat catccgcgac gggctcaagg ctgaccccaa 300
gaa 303

<210> 1409

<211> 494

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1409

gggttnnga aattcctacg ntctcggnat cggtcntnaa ttcacgggtc gacccacgct 60
ccanttacaa ttcncatct cccatgattc aatttcgcga agttctccct cctctgcccc 120
atggcgctct ctgtgganaa gacctcgtct ggacgggagt acaagggtcaa ggatctccgc 180
angcggactt cggncgcctc gagattgagc tggccgaggt cgaaatgccc ggctctggc 240
gttgccgcgc cgagttcggc ccgtcnaagc ctttcgctgg cgctaggatc tcgggtctct 300
ccacatgacc atccaaaccg ccgtcctcat cgagaccctc accgcgctcg gcgcgaggtc 360
cgctggtgct cctgcaacat cttctccacg cangaccacg ccgccgccgc catgcgcgcg 420
actcggccgc cgntgttcnc cctggaangg gggaaaacct ccaagaanta ctgtggttca 480
ancgagccgc tgnt 494

<210> 1410
 <211> 299
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1410

cnnggtctcn ccacatgacc atccagaccg cgtctctcat cgagaccctc accgcgctcg 60
 gcgccgaggt ccgcnggtgc ncttgcaaca ncttcnccac gcaggaccac gccgcngccg 120
 ccatacgcgcg cgantcggcc gcngtgtncg cctggaaggg ggagaccctc gangagtact 180
 gngngtgacac cgagcgctgc ctgcactggn gcgangcggg cggccccgac ctcatcgctg 240
 acgacggcgg cgacgccacg ctgctcatcc acgaggggtgt caangccgag gaggattac 299

<210> 1411
 <211> 302
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1411

cgtcgacnac ggcggcgacg ccacgctgct catccacgag ggtgtcaagg ccgangagga 60
 ttacgagaag accggcaaga tctccgaccc ggagtcacc gacaacgctg agttcaagat 120
 cgtgctcacc atcatccgcg acgggctcaa ggctgacccc aagaagtacc gcaagatgaa 180
 ggagaggctt gtcggcgtct ctgaggagac caccacgggt gtcaagaggc tctaccagat 240
 gcagganacc ggcgccctcc tcttccctgc cattaacgtc nacgattccg tcaccaagag 300
 ca 302

<210> 1412
 <211> 485
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1412

ccatttcccc atctcccaga tccaattcnc nagttcttcc tcctctgccg ccatggcgct 60
 ntntgtggag aagacctcgt ctggacggga gtacaagggtc aaggatctct cgcaggcgga 120

cttcggtcgc ctcgagattg agctggccga ggtcgaaatg cccggcctca tggcgtgccg 180
cgccgagttc ggcccgcca agcccttcgc cggcgctagg atctcggggt ctcttcacat 240
gaccatccag accgncgtcc tcctcgagac cctcaccgng ctcggcgccg aggtccgctg 300
gtgctctgca acatcttntt cagcaagga cagccgncg gccgncatcg cgcgcgactc 360
ggccggcgng ttgccttga aagggggaga ccctttgagg agtactggtg gtgcaccgag 420
ccgcttgnet tganttgagg ccaggcnggg cgccccgaac ctnaatggtg gacaacnggg 480
gggaa 485

<210> 1413
<211> 311
<212> DNA
<213> Zea mays

<400> 1413
atcaagcccc agactgaccg ctgggtgttc cccgagacca aactggcat cattgtcctt 60
gctgagggtc gcctgatgaa ctttgggtgt gctactggcc atcctagctt tgtcatgtcc 120
tgctcattca ctaaccaggt cattgcccaa cttgaactgt ggaaggagaa gagctctggc 180
aagtatgaga agaaggtgta tgtgtctccc aagcaccttg atgagaaggt tgctgtcttc 240
cacttgggca agcttgggtg caagctgacc aagctcacca agtctcaggc cgactacatc 300
agcgtgccga t 311

<210> 1414
<211> 311
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1414

tctgaggaga ccaccacggg tgtcaagagg ctctaccaga tgcaggagac cggcgccctc 60
ctcttccctg ccattaacgt caacgattcc gtcaccaaga gcaagtttga caacctgtat 120
ggttgccgcc actcgctccc tganggtctg atgagggccca ctgacgttat gatcgccgga 180
aaggttgcn g tggntn g cgg atacgggtgat gtcggcaagg gttgtgctgc tgccctcaag 240
caggctggtg cccgtgtcat tgtgaccgan atnaccacca tctgtgnctc caggctctga 300
tggaggggtct t 311

<210> 1415
 <211> 280
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1415

cncgctcggc gccgaggtcc gctggtgctc ctgcaacatc ttctccacgc aggaccacgc 60
 cgccgcgcgc atcgcgcgcg actcggccgc cgtgttcgcc tgggaagggg agaccctcga 120
 ggagtactgg tgggtgcaccg agcgctgcct cgactggggc gaggcgggcg gccccgacct 180
 catcgtcgac gacggcggcg acgccacgct gctcatccac gaggggtgtca aggccgagga 240
 ggattacgag aagaccggca agatccccga cccggagtcc 280

<210> 1416
 <211> 295
 <212> DNA
 <213> Zea mays

<400> 1416

gagatcgacc ccactctgcgc cctccaggct ctgatggagg gtcttcaggc ccttccttg 60
 gaggacgttg tctcggaagc tgacatcttc gtgaccacca ctggcaacaa ggatatcatc 120
 atggttgacc acatgaggaa gatgaagaac aatgccattg tctgcaacat tggccacttt 180
 gacaatgaaa ttgatatgct cggccttgag acctaccctg gcgtcaagcg catcaccatc 240
 aagccccaga ctgaccgctg ggtgttcccc gagaccaaca ctggcatcat tgtcc 295

<210> 1417
 <211> 349
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1417

ctggcgtcaa gcgcatacc atcaagcncc agactgaccg ctgggtgttc cccgagacca 60
 aactggcat cattgtcctt gctgagggc gcctgatgaa ccttgggtgt gctactggcc 120
 atcctagctt tgtcatgtcc tgctcattca ctaaccaggc cattgccccaa cttgaactgt 180
 ggaaggagaa gagctctggc aagtatgaga agaaggtgta tgtgtctccc aagcaccttg 240

atgagaaggt tgctgctctc cacttgggca agcttgggtgc caagctggac caagctcacc 300
aagtctcagg ccgatacatc agcgtgccga tcgnggtcct acaagcctg 349

<210> 1418
<211> 292
<212> DNA
<213> Zea mays

<400> 1418
ctgatgaggg ccaccgacgt tatgatcgcc ggtaagggtg ccgtgggtctg cggatacggg 60
gatgttggca agggttgtgc cgctgcactc aagcaggctg gtgcccgtgt cattgtgacc 120
gagatcgacc ccactctgcgc cctccaggct ctgatggagg gtcttcagggt ccttcccttg 180
gaggacgttg tctcgggaagc tgacatcttc gtgaccacca ctggcaacaa ggatatcatc 240
atggttgacc acatgaggaa gatgaagaac aatgccattg tctgcaacat tg 292

<210> 1419
<211> 287
<212> DNA
<213> Zea mays

<400> 1419
agaggctcta ccagatgcag gagaccggcg ccctcctctt ccctgccatt aacgtcaacg 60
attccgtcac caagagcaag ttgacaacc tgtatggttg ccgccactca ctccctgatg 120
gtctgatgag ggccaccgac gttatgatcg ccggttaagggt tgccgtggtc tgcggatacg 180
gtgatgttgg caagggttgt gccgtgcac tcaagcaggc tggtgcccgt gtcattgtga 240
ccgagatcga ccccatctgc gccctccagg ctctgatgga gggctctt 287

<210> 1420
<211> 304
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1420

gtgcnctcca ngctctgatg gagggctctt aggtccttcn cttggangac gttgtctctg 60
aagctgacat cttcgtgacc accactggca acaangatat catcatgggt gaccacatga 120

ggaagatgaa gaacaatgcc attgtctgca acattggcca ctttgacaat gaaattgata 180
 tgctcggcct tgagacctac cctggcgtca agcgcacac catcaagccc cagactgacc 240
 gctgggtgtt ccccgagacc aacactggca tcatgtcttg ctganggtcg cctgatgaac 300
 cttg 304

<210> 1421
 <211> 283
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1421

ggagtactgg tgggtgcaccg agcgtgcct cgactggggc gaggcgggcg gccccgacct 60
 catcgtcgac gacggcggcg acgccacgct gctcatccac gaggggtgtca aggccgagga 120
 ggattacnag aagaccggca agatccccga cccggagtcc accgacaacg ctgagttcaa 180
 gatcgtgctc accatcatcc gcgacgggct caaggctgac cccaagaagt accgcaagat 240
 gaaggagagg cttgtcggcg tctctgagga gaccaccacg ggt 283

<210> 1422
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1422

ggatatgctc cgggcttgag acctaccctg gcgtcaagcg catnaccatc aagccccaga 60
 ctgaccgctg ggtgttcccc gagaccaaca ctggcatcat tgncccttgc gagggctcgcc 120
 tgatgaacct tgggtgtgct actggccatn ctagctttgt catgtcctgc tcattcacta 180
 accaggatcat tgcccaactt gaactgtgga aggagaagag ctctggcaag tatnanaaga 240
 angtgtatgt gctnccaag caccttgatn agaangntgn tgnctncac ttgggcaagc 300
 ttggtgcaa nctnaccaag cttaccaaag tcttaagncc gctacnttaa cctgcccntc 360
 gaaggntcct tccaacctnn ccacnaaccg gtcttagnaa gcnnnacaac ggttngaant 420

<210> 1423
 <211> 311
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1423

gaccggcgcc ctctcttcc ctgccattaa cgtcaacgat tccntcacca agancaagtt 60

tgacaacctg tatggttncn gccactcgct ccctgatggt ctgatgaggg ccaactgacgt 120

tatgatcgcc ggaaagggtg ccgtgggtctg cngatacggg gatgtcggca aggnttgtgc 180

tgctgccctc aagcaggctg gtgcccgtgt cattgtgacc ganatcgacc ccatctnttc 240

cctccaggct ctgatggagg gtcttcagggt ccttcccttg gaagacggtg tctctgaagc 300

tgacatcttc g 311

<210> 1424

<211> 283

<212> DNA

<213> Zea mays

<400> 1424

cgacgccacg ctgctcatcc acgagggtgt caaggccgag gaggagtacg agaagaccgg 60

caagatcccc gaccgggagt ccaccgacaa cgctgagtgc aagatcgtgc tcaccatcat 120

ccgcgacggg ctcaaggctg accccaagaa gtaccgcaag atgaaggaga ggcttgtcgg 180

cgtctctgag gagaccacca cgggtgtcaa gaggtcttac cagatgcagg agaccggcgc 240

cctcctcttc cctgccatta acgtcaacga ttccgtcacc aag 283

<210> 1425

<211> 369

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1425

aattccntca cnaaaagcaa gtttganaac ctgtatggtt gccgcnannc actccctgat 60

ggntgatna gggccaccga cgttatgatc gccggttaagg ttgccgtggn ctgcngatac 120

cgtgatgttg gcaanggttg tgccnctgca ctcaagcagg ctgntgcccg tgtcattgtg 180

accgagatcg annccatctg cgccctccac gctctgatgg atgggtcttc aagtccttcc 240

cttgaggagac gttgtctcgg gaagctgaca tcttcgtgac caccactggc aacaaggata 300

tcatcaatgg gttgancaca tgaaggaacg atgaaggaca atggcantgt ctgcaacatt 360
 gggcaacnt 369

<210> 1426
 <211> 278
 <212> DNA
 <213> Zea mays

<400> 1426

gcaagatccc cgaccoggag tccaccgaca acgctgagtt caagatcgtg ctcaccatca 60
 tccgcgacgg gctcaaggct gacccaaga agtaccgcaa gatgaaggag aggcttgctg 120
 gcgtctctga ggagaccacc acgggtgtca agaggctcta ccagatgcag gagaccggcg 180
 ccctcctctt ccttgccatt aacgtcaacg attccgtcac caagagcaag tttgacaacc 240
 tgtatggttg ccgccactcg ctccctgatg gtctgatg 278

<210> 1427
 <211> 275
 <212> DNA
 <213> Zea mays

<400> 1427

cttcgtgacc accactggca acaaggatat catcatggtt gaccacatga ggaagatgaa 60
 gaacaatgcc attgtctgca acattggcca ctttgacaat gaaattgata tgctcggcct 120
 tgagacctac cctggcgtca agcgcatcac catcaagccc cagactgacc gctgggtggt 180
 ccccgagacc aacactggca tcattgtcct tgctgagggt cgctgatga accttgggtg 240
 tgctactggc catcctagct ttgtcatgtc ctgct 275

<210> 1428
 <211> 275
 <212> DNA
 <213> Zea mays

<400> 1428

tgacatcttc gtgaccacca ctggcaacaa ggatatcatc atggttgacc acatgaggaa 60
 gatgaagaac aatgccattg tctgcaacat tggccacttt gacaatgaaa ttgatatgct 120
 cggccttgag acctaccctg gcgtcaagcg catcaccatc aagccccaga ctgaccgctg 180

ggtgttcccc gagaccaaca ctggcatcat tgtccttgct gagggtcgcc tgatgaacct 240
 tgggtgtgct actggccatc ctagctttgt catgt 275

<210> 1429
 <211> 294
 <212> DNA
 <213> Zea mays

<400> 1429

caccatcaag cccagactg accgctgggt gttccccgag accaactctg gcatcattgt 60
 ccttgctgag ggtcgcctga tgaaccttgg gtgtgctact ggccatccta gctttgtcat 120
 gtcctgctca ttcactaacc aggtcattgc ccaacttgaa ctgtggaagg agaagagctc 180
 tggcaagtat gagaagaagg tgtatgtgct cccaagcac cttgatgaga aggttgctgc 240
 tctccacttg ggcaagcttg gtgccaagct gaccaagctc accaagtctc aggc 294

<210> 1430
 <211> 276
 <212> DNA
 <213> Zea mays

<400> 1430

gctgacatct tcgtgaccac cactggcaac aaggatatca tcatggttga ccacatgagg 60
 aagatgaaga acaatgccat tgtctgcaac attggccact ttgacaatga aattgatatg 120
 ctcggccttg agacctaccc tggcgtcaag cgcatcacca tcaagcccca gactgaccgc 180
 tgggtgttcc ccgagaccaa cactggcatc attgtccttg ctgagggtcg cctgatgaac 240
 cttgggtgtg ctactggcca tcctagcttt gtcatg 276

<210> 1431
 <211> 288
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1431

ctcatggcgt gccgcgccga gttcggcccc tccaagccct tcgccggcgc taggatctcg 60
 gggctctctc acatgaccat ccagaccgcc gtcctcatcg agaccctcac cgcgctcggc 120
 gccgaggtcc gctggtgctc ctgcaacatc ttctccacgc aggaccacgc cgccgccgcc 180

atcgcgcgcg actcggccgc cgtgttcgcc tggnaagggg agacccttga ggagtactgg 240
 tgggtgcaccg agcgcctgcct tgactggggc gangcggggc gccccgac 288

<210> 1432
 <211> 285
 <212> DNA
 <213> Zea mays

<400> 1432

tgcaggagac cggcgcctc ctcttccctg ccattaacgt caacgattcc gtcaccaaga 60
 gcaagtttga caacctgtat ggttgccgcc actcgcctcc tgatgggtctg atgagggcca 120
 ctgacgttat gatcgccgga aagggtgccg tgggtctgcgg atacggtgat gtcggcaagg 180
 gttgtgctgc tgccctcaag caggctgggtg cccgtgtcat tgtgaccgag atcgacccca 240
 tctgtgccct ccaggctctg atggagggtc ttcaggctct tccct 285

<210> 1433
 <211> 280
 <212> DNA
 <213> Zea mays

<400> 1433

atcgacccca tctgtgccct ccaggctctg atggagggtc ttcaggctct tcccttggag 60
 gacgttgtct ctgaagctga catcttcgtg accaccactg gcaacaagga tatcatcatg 120
 gttgaccaca tgaggaagat gaagaacaat gccattgtct gcaacattgg ccactttgac 180
 aatgaaattg atatgctcgg ccttgagacc taccctggcg tcaagcgcat caccatcaag 240
 cccagactg accgctgggt gttccccgag accaactg 280

<210> 1434
 <211> 316
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1434

cgaccccatc tgcncctcc aggctctgat ggagggtctt caggctcttc ccttggagga 60
 cgttgtctcg gaagctgaca tcttcgtgac caccactggc aacaaggata tcatcatggt 120

tgaccacatg aggaagatga agaacaatgc cattgtctgc aacattggcc actttgacaa 180
 tgaaattgat atgctcggcc ttgagaccta ccctggcgtc aagcgcatca ccatcaagcc 240
 ccagactgac cgctgggtgt tccccgagac caacactggc atcatgtcct tgctgaaggt 300
 cgctgatga acttgg 316

<210> 1435

<211> 298

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1435

gcccggcctc atggcgtgcc gcgccgagtt cggcccgctc aagcccntcg ccggcgctag 60
 gatctcgggg tctctccaca tgaccatcca gaccgccgtc ctcacgcaga ccctcaccgc 120
 gctcggcgcc gaggtccgct ggtgctcctg caacatcttc tccacgcagg accacgccgc 180
 cgccgccatc gcgcgcgact cggccgccgt gttcgcttgg aaagggggag accctcgagg 240
 agtactggtg gtgcaccgag cgctgctcga ctggggcgaa gcgggcggcc cgacctca 298

<210> 1436

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1436

agaagaccgg caagatcccc gaccgggagt ccaccgacaa cgctgagttc aagatcgtgc 60
 tcaccatcat ccgcgacggg ctcaaggctg accccaagaa gtaccgcaag atgaaggaga 120
 ggcttgtcgg cgtctctgag gagaccacca cgggtgtcaa gaggtcttac cagatgcagg 180
 agaccggcgc cctcctcttc cctgccatta acgtcaacga ttccgtcacc aagagcaagt 240
 ttgacaactg tatggttgcc gcanttcgtt ccttgatggt ttgatgaggg ccactgang 299

<210> 1437

<211> 279

<212> DNA

<213> Zea mays

<400> 1437

gtcaaggccg aggaggagta cgagaagacc ggcaagatcc ccgaccgga gtccaccgac 60
aacgctgagt tcaagatcgt gtcaccatc atccgcgacg ggctcaaggc tgaccccaag 120
aagtaccgca agatgaagga gaggcttgtc gggcgtctct gaggagacca ccacgggtgt 180
caagaggctc taccagatgc aggagaccgg cgccctcctc ttccctgcca ttaacgtcaa 240
cgattccgtc accaagagca agtttgacaa cctgtatgg 279

<210> 1438
<211> 277
<212> DNA
<213> Zea mays

<400> 1438

gcaagatccc cgaccggag tccaccgaca acgctgagtt caagatcgtg ctcaccatca 60
tccgcgacgg gctcaaggct gacccaaga agtaccgcaa gatgaaggag aggcttgtcg 120
gcgtctctga ggagaccacc acgggtgtca agaggctcta ccagatgcag gagaccggcg 180
ccctcctctt ccctgccatt aacgtcaacg attccgtcac caagagcaag tttgacaact 240
gtatggttgc cgccactcgc tccctgatgg tctgatg 277

<210> 1439
<211> 318
<212> DNA
<213> Zea mays

<400> 1439

atttcccat ctcccagatc caattcgcga gttctccctc ctctgccgcc atggcgctct 60
ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg caggcggact 120
tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg gcgtgccgcg 180
ccgagttcgg cccgtccaag cccttcgccg gcgctaggat ctcggggtct ctccacatga 240
ccatccagac cgccgtcctc atcgagacc tcaccgcgct cggcgccgag gtccgctggt 300
gtcctgcaa catcttct 318

<210> 1440
<211> 249
<212> DNA
<213> Zea mays

<400> 1440

cacatgacca tccagaccgc cgtcctcatc gagaccctca ccgcgctcgg cgccgaggtc 60
cgctgggtgct cctgcaacat cttctccacg caggaccacg ccgccgccgc catcgcgcg 120
gactcggccg ccgtgttcgc ctggaagggg gagaccctcg aggagtactg gtggtgcacc 180
gagcgctgcc tcgactgggg cgaggcgggc ggccccgacc tcatcgtcga cgacggcggc 240
gacgccacg 249

<210> 1441

<211> 309

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1441

cccagatcca attcgcgagt ncnccctcct ctgcggccat ggcgctctct gtggagaaga 60
cctcgtctgg acgggagtag aaggtcaagg atctctcgca ggccgacttc ggccgcctcg 120
agattgagct ggccgaggtc gaaatgcccgc gcctcatggc gtgccgcgcc gagttcggcc 180
cgtccaagcc cttcgccggc gctaggatct cgggggtctct ccacatgacc atccagaccg 240
ccgtcctcat cgagaccctn accgcgctcg gcgccgaggt ccgctggtgc tcctgcaaca 300
tcttctcca 309

<210> 1442

<211> 276

<212> DNA

<213> Zea mays

<400> 1442

gtacgagaag accggaaga tccccgacct ggagtccacc gacaacgctg agttcaagat 60
cgtgctcacc atcatccgcg acgggctcaa ggctgacccc aagaagtacc gcaagatgaa 120
ggagaggctt gtcggcgtct ctgaggagac caccacgggt gtcaagaggc tctaccagat 180
gcaggagacc ggcgccctcc tcttccctgc cattaacgtc aacgattccg tcaccaagag 240
caagtttgac aacctgtatg gttgccgcca ctcaact 276

<210> 1443

<211> 276

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <400> 1443
 gtgaccgana tcgaccccat ctgtncctc caggctctga tggagggctc tcaggtcctt 60
 cccttgaggg acgttgtctc tgaagctgac atnttcgtga ccaccactgg caacaaggat 120
 atcatcatgg ttgaccacat gaggaagatg aagaacaatg ccattgtctg caacattggc 180
 cactntgaca atgaaattga tatgctcggc cttgagacct accctggcgt caagcgcac 240
 accatcaagc ccagactga ccgctgggtg ttcccc 276

<210> 1444
 <211> 270
 <212> DNA
 <213> Zea mays
 <400> 1444
 agaagaccgg caagatcccc gaccgggagt ccaccgacaa cgctgagttc aagatcgtgc 60
 tcaccatcat ccgcgacggg ctcaaggctg accccaagaa gtaccgcaag atgaaggaga 120
 ggcttgctcg cgtctctgag gagaccacca cgggtgtcaa gaggtctac cagatgcagg 180
 agaccggcgc cctcctcttc cctgccatta acgtcaacga ttccgtcacc aagagcaagt 240
 ttgacaacct gtatggttgc cgccactcgc 270

<210> 1445
 <211> 261
 <212> DNA
 <213> Zea mays
 <400> 1445
 ggaggacgtt gtctctgaag ctgacatctt cgtgaccacc actggcaaca aggatatcat 60
 catggttgac cacatgagga agatgaagaa caatgccatt gtctgcaaca ttggccactt 120
 tgacaatgaa attgatatgc tcggccttga gacctacct ggcgtcaagc gcatcaccat 180
 caagccccag actgaccgct ggggtgtccc cgagaccaac actggcatca ttgtccttgc 240
 tgagggtcgc ctgatgaacc t 261

<210> 1446

<211> 291
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1446

 tntgacaacc tgtatggttg ccgccactcg ctccctgatg gtctgatgag ggccactgac 60
 gttatgatcg ccggaaggt tgccgtggtc annccgatac ggtgatgtcg gcaagggttg 120
 tgctgctgcc ctcaagcagg ctgggtgccc tgtcattgtg accgagatcg accccatctg 180
 tgccctccag gctctgatgg agggctcttca ggctccttccc ttggaggacg ttgtctctga 240
 agctgacatc ttcgtgacca ccactggcaa caaggatatc atcatgggtg a 291

<210> 1447
 <211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1447

 actggggcga ggcgggcggc cccgacctca tcgtcgacga cggcggcgac gccacgctgc 60
 tcatccacga ggggtgtcaag gccgaggagg agtacgagaa gaccggcaag atccccgacc 120
 cggagtccac cgacaacgct gagttcaaga tcgtgctcac catcatccgc gacggggtca 180
 aggctgaccc caagaagtac cgcaagatga aggagagctt gtcggcgtct taaggagacc 240
 accaggggtg caagaagctc taccagatgc aagaaaccgg cgccctcctc ttccctgcc 300
 ttaacgtnac gatccg 316

<210> 1448
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1448

 cncgacctca tcgtcgacga cggcggcgac gccacgctgc tcatccacga ggggtgtcaag 60
 gccgaggagg agtacgagaa gaccggcaag atccccgacc cggagtccac cgacaacgct 120
 gagttcaaga tcgtgctcac catcatccgc gacggggtca aggctgaccc caagaagtac 180
 cgcaagatga aggagaggct tgtcggcgtc tctgaggaga ccaccacggg tgncaagag 240

gctctaccag atgcaggaga ccggcgccct cct

273

<210> 1449
<211> 271
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1449

cngacgctgg gtggctcctg caacatcttc tccacgcagg accacgccgc cgccgccatc 60
gcgcgcgaca cgcccgccgt gttcgcctgg aagggggaga ccctcgagga gtactggtgg 120
tgcaccgagc gctgcctcga ctggggcgag gcgggcggcc ccgacctcat cgtcgacgac 180
ggcggcgacg ccacgctgct catccacgag ggtgtcaagg ccgaggagga ttacgagaag 240
accggcaaga tccccgaccc ggagtccacc g 271

<210> 1450
<211> 275
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1450

aacgattccg tcaccaagag caagtttgac aacctgtatg gttgccgcca ctgctccct 60
gatggtctga tgagggccac tgacgttatg atcgccggaa aggttgccgt ggtctgcgga 120
tacggtgatg tcggcaaggg ttgtgctgct gccctcaagc aggetggtgc ccgtgtcatt 180
gtgaccgaga tcgaccccat ctgtgccctc caggctctga tggagggtn caaggtcctn 240
cccttgaggg acgttgtctc ngaagatgac atctt 275

<210> 1451
<211> 271
<212> DNA
<213> Zea mays

<400> 1451

gagatcgacc ccattctgcgc cctccaggct ctgatggagg gtcttcaggt ccttcccttg 60
gaggacgttg tctcggaagc tgacatcttc gtgaccacca ctggcaacaa ggatatcatc 120
atggttgacc acatgaggaa gatgaagaac aatgccattg tctgcaacat tggccacttt 180

gacaatgaaa ttgatatgct cggccttgag acctaccctg gcgtcaagcg catcaccatc 240
aagccccaga ctgaccgctg ggtgttcccc g 271

<210> 1452
<211> 277
<212> DNA
<213> Zea mays

<400> 1452
cattaacgtc aacgattccg tcaccaagag caagtttgac aacctgtatg gttgccgcca 60
ctcactccct gatggctctga tgagggccac cgacgttatg atcgccggta aggttgccgt 120
ggtctgcgga tacgggtgatg ttggcaaggg ttgtgccgct gcactcaagc aggctgggtgc 180
ccgtgtcatt gtgaccgaga tcgaccccat ctgcgccctc caggtctctga tggaggggtct 240
tcaggtcctt cccttggagg acgttgtctc ggaactg 277

<210> 1453
<211> 273
<212> DNA
<213> Zea mays

<400> 1453
ctaccctggc gtcaagcgca tcaccatcaa gcccagact gaccgctggg tgttccccga 60
gaccaacact ggcatcattg tccttgctga gggtcgcctg atgaaccttg ggtgtgctac 120
tggccatcct agctttgtca tgtcctgctc attcactaac caggtcattg cccaacttga 180
actgtggaag gagaagagct ctggcaagta tgagaagaag gtgtatgtgc tccccaagca 240
ccttgatgag aaggttgctg ctctccactt ggg 273

<210> 1454
<211> 299
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1454

ggaggggtctt caggtccttc ccttggagga cgttgtctct gaagctgaca tcttcgtgac 60
caccactggc aacaaggata tcatcatggt tgaccacatg aggaagatga agaacaatgc 120

natgtctgca acattggcca ctttgacaat gaaattgata tgctcggcct tgagacctac 180
 cctggcgtca agcgcatcac catcaagccc cagactgacc gctgggtgtt ccccgagacc 240
 aacactggca tcattgtcct tgctgagggg cgctgatgaa cttgggtgtg tatggccac 299

<210> 1455
 <211> 282
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1455

ccgccactcg ctccctgatg gtctgatgag ggccactgac gttatgatcg ccggaaaggt 60
 tgccgtgggtc tgccgatacg gtgatgtcnn gcaagggttg tgctgctgcc ctcaagcagg 120
 ctgggtgccc tgctattgtg accgagatcg accccatctg tgccctccag gctctgatgg 180
 aggggtcttca ggtccttccc ttggaggacg ttgtctctga agctgacatc ttctgacca 240
 ccactggcaa caaggatatc atcatggttg accacatgag ga 282

<210> 1456
 <211> 297
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1456

ggctgacccc aagaagtacc gcaagatgaa ggagaggctt gtcggcgtct ctgaggagac 60
 caccacgggt gtcaagaggc tctaccagat gcaggagacc ggcgccctcc tcttccctgc 120
 cattaacgtc aacgattccg tcaccaagag caagtttgac aacctgtatg gttgccgcca 180
 ctgctccct gatggtctga tganggccac tgacgttatg attcgccgga aagggtgccg 240
 tggctctgcg atacggtgat gtcggcaang gttgtgtgct gccctcaagc angctgg 297

<210> 1457
 <211> 130
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1457

gngatcgacc ccattctgcg cctccagnct ctnatggagg gtcttcagggt ccttcccttg 60

naggacgttg tctcggaagc tgacatcttc ggtgaccacc actggcaaca aggatatcan 120
ncatgggttg 130

<210> 1458
<211> 304
<212> DNA
<213> Zea mays

<400> 1458

catctcccag atccaattcg cgagttctcc ctctctgcg gccatggcgc tctctgtgga 60
gaagacctcg tctggacggg agtacaaggc caaggatctc tcgcaggcgg acttcggccg 120
cctcgagatt gagctggccg aggtcgaaat gcccggcctc atggcgtgcc gcgccgagtt 180
cggcccgtcc aagcccttcg ccggcgctag gatctcgggg tctctccaca tgaccatcca 240
gaccgcccgc ctcatcgaga ccctcaccgc gctcggcgcc gaggtccgct ggtgctcctg 300
caac 304

<210> 1459
<211> 512
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1459

gnggnnnnng agtgnntnnt aatttggagg naaaatgtaa nggnaatctt cgtaccggtc 60
cggaannntc gaccacgcgc tccgcccacg cgtccggacc aacactggca tcattgtcct 120
tgctgagggt cgnetgatga ncctgggggtg tgctactggc catcctagct ttgncatgtc 180
ctgctcattc actaaccagg tcattgccc aactgaactg tggaaggaga agagctctgg 240
caagtatgaa aagaagggtg atgtntctcc caagcacctt gatgagaagg ttgctgctct 300
ccacttgggc aancttggtg ccaagctgac caagctnacc aagtctcagg ccgactacat 360
cagcgtgccg atcgagggtc cctacaagcc tgccactacc ggtactaggc agccagcaca 420
cggnttgcaa ctnactcggg ccgtgtgtgc tatnaagccg ctactggcc tgnagntatc 480
tnnngnannc tatggcataa acatanacgg ga 512

<210> 1460

<211> 263
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1460

 gccacgcagg accacgccgc cgccgccatc gcgcgcgact cgcccgccgt gttcgcctgn 60
 aanggggaga cccttgagga gtactggtgg tgnaccgagc gctgccttga ctggggcgag 120
 gcgggcggcc ccgacctcat cgtcgacgac ggcgggcgacg ccacgctgct catccacgag 180
 ggtgtcaagg ccgaggagga gtacgagaag accggcaaga tccccgaccc ggagtccacc 240
 gacaacgctg agttcaagat cgt 263

<210> 1461
 <211> 247
 <212> DNA
 <213> Zea mays

 <400> 1461

 ggtctctcca catgaccatc cagaccgccg tctctcatcga gacctcacc gcgctcggcg 60
 ccgagggtccg ctggtgctcc tgcaacatct tctccacgca ggaccacgcc gccgccgcca 120
 tcgcgcgcga ctcgccgcc gtgttcgcct ggaaggggga gaccttgag gagtactggt 180
 ggtgcaccga gcgctgcctt gactggggcg aggcggggcg ccccgacctc atcgtcgacg 240
 acggcgg 247

<210> 1462
 <211> 260
 <212> DNA
 <213> Zea mays

 <400> 1462

 ggaagatgaa gaacaatgcc attgtctgca acattggcca ctttgacaat gaaattgata 60
 tgctcggcct tgagacctac cctggcgta agcgcatcac catcaagccc cagactgacc 120
 gctgggtgtt ccccgagacc aacactggca tcattgtcct tgctgagggg cgctgatga 180
 accttggggtg tgctactggc catcctagct ttgtcatgtc ctgctcattc actaaccagg 240
 tcattgcccc acttgaactg 260

<210> 1463
 <211> 272
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1463

 ggccaccgac gttatgatcg ccggttaagg tgcggtggtc tgcggatacg gtgatgttgg 60
 caagggttgt gccgctgcac tcaagcaggc tgggtgcccg gtcatgtga ccgagatcga 120
 ccccatctgc gccctccagg ctctgatgga ggggtcttcag gtccttccct tggaggacgt 180
 tgtctcggaa gctgacatct tcgtgaccac cactggcaac aaggatatca tcanggttga 240
 ccacatgagg aagatganga acaatgccat tg 272

<210> 1464
 <211> 253
 <212> DNA
 <213> Zea mays

 <400> 1464

 gggtgaccac atgaggaaga tgaagaacaa tgccattgtc tgcaacattg gccactttga 60
 caatgaaatt gatatgctcg gccttgagac ctaccctggc gtcaagcgca tcaccatcaa 120
 gcccagact gaccgctggg tgttccccga gaccaacact ggcattcattg tccttgctga 180
 gggtcgcctg atgaaccttg ggtgtgctac tggccatcct agctttgtca tgtcctgtc 240
 attcactaac cag 253

<210> 1465
 <211> 261
 <212> DNA
 <213> Zea mays

 <400> 1465

 ccacgctgct catccacgag ggtgtcaagg ccgaggagga gtacgagaag accggcaaga 60
 tccccgaccc ggagtccacc gacaacgctg agttcaagat cgtgctcacc atcatccgcg 120
 acgggctcaa ggctgacccc aagaagtacc gcaagatgaa ggagaggctt gtcggcgtct 180
 ctgaggagac caccacgggt gtcaagaggc tctaccagat gcaggagacc ggcgccctcc 240
 tcttccctgc cattaacgtc a 261

<210> 1466
 <211> 261
 <212> DNA
 <213> Zea mays

<400> 1466

cggggtctct ccacatgacc atccagaccg cgttcctcat cgagaccctc accgcgctcg 60
 gcgccgaggt ccgctgggtgc tcctgcaaca tcttctccac gcaggaccac gccgccgccc 120
 ccatcgcgcg cgactcggcc gccgtgttcg cctggaaggg gagacccttg aggagtactg 180
 gtgggtgcacc gagcgctgcc ttgactgggg cgaggcgggc ggccccgacc tcatcgtega 240
 cgacggcggc gacgcacgct g 261

<210> 1467
 <211> 323
 <212> DNA
 <213> Zea mays

<400> 1467

ctcccgttcc atttccccat ctcccagatc caattcgaga gttctccctc ctctgcgcgc 60
 atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
 caggcggaact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
 gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg ccgctaggat ctcggggtct 240
 ctccacatga ccatccagac cgccgtcctc atcgagaccc tcaccgcgct cggcgccgag 300
 gtccgcaggt gtcctgcaa cat 323

<210> 1468
 <211> 277
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1468

gctcggcctt gnagacctac cctggcgta agcgcatcac catcaagccc cagactgacc 60
 gctgggtgtt ccccgagacc aacctggca tcattgtcct tgctgagggc cgctgatga 120
 acctgggtg tgctactggc catcctagct ttgtcatgtc ctgctcattc actaaccagg 180
 tcattgcca acttgaactg tggaaggaga agagctctgg caagtatgag aagaagggtg 240

atgtgctccc caagcacctt gatgagaagg ttgctgc 277

<210> 1469
<211> 257
<212> DNA
<213> Zea mays

<400> 1469

caaggatata atcatggttg accacatgag gaagatgaag aacaatgcca ttgtctgcaa 60
cattggccac tttgaacaat gaaattgata tgctcggcct tgagacctac cctggcgta 120
agcgcatcac catcaagccc cagactgacc gctgggtgtt ccccgagacc aacactggca 180
tcattgtcct tgctgagggt cgctgatga accttgggtg tgctactggc catcctagct 240
ttgtcatgtc ctgctca 257

<210> 1470
<211> 262
<212> DNA
<213> Zea mays

<400> 1470

gtcggcgctct ctgaggagac caccacgggt gtcaagaggc tctaccagat gcaggagacc 60
ggcgccctcc tcttccctgg ccattaacgt caacgattcc gtcaccaaga gcaagtttga 120
caacctgtat ggttgccgcc actcgctccc tgatggtctg atgagggcca ctgacgttat 180
gatcgccgga aagggtgccg tggctctgcg atacggtgat gtcggcaagg gttgtgctgc 240
tgcaactcaag caggctggtg cc 262

<210> 1471
<211> 317
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1471

tatggttgcc gccactcaact ccctgatggt ctgatgaggg ccaccgacgt tatgatcgcc 60
ggtaagggtg ccgtggtctg cggatacggg gatgttgga agggttgtgc cgctgcactc 120
aagcaggctg gtgcccgtgt cattgtgacc gagatcgacc ccatctgcnc cctccaggct 180

ctgatggagg gtcttcaggt ccttcccttg gaggnntngt cacggaagct nanatttcgt 240
gaccaccact ggnaacaagg atatcatcat ggttgaccac atgaggaaga tgaanaacat 300
gccattgtct cnaattg 317

<210> 1472
<211> 268
<212> DNA
<213> Zea mays

<400> 1472
cgactggggc gaggcgggcg gccccgacct catcgctcgac gacggcggcg acgccaacgc 60
tgctcatcca cgaggggtgc aaggccgagg aggattacga gaagaccggc aagatccccg 120
acccggagtc caccgacaac gctgagttca agatcggtgt caccatcatc cgcgacgggc 180
tcaaggctga ccccaagaag taccgcaaga tgaaggagag gcttgctggc gtctctgagg 240
agaccaccac ggggtgtcaag aggctcta 268

<210> 1473
<211> 274
<212> DNA
<213> Zea mays

<400> 1473
ggcaagggtt gtgctgctgc cctcaagcag gctggtgccc gtgtcattgt gaccgagatc 60
gaccccatct gtgccctcca ggctctgatg gaggggtcttc aggtccttcc cttggaggac 120
gttgtctctg aagctgacat cttcgtgacc accactggca acaaggatat catcatggtt 180
gaccacatga ggaagatgaa gaacaatgcc attgtctgca acattggcca tttgacaatg 240
aaattgatat gctcggcctt gagacctacc ctgg 274

<210> 1474
<211> 290
<212> DNA
<213> Zea mays

<400> 1474
gttgtgctgc tgccctcaag caggctgggtg cccgtgtcat tgtgaccgag atcgacccca 60
tctgtgccct ccaggctctg atggagggtc ttcaggctct tcccttgag gacgttgtct 120

ctgaagctga catcttcgtg accaccactg gcaacaagga tatcatcatg gttgaccaca 180
 tgaggaagat gaagaacaat gccattgtct gcaacattgg ccactttgac aatgaaattg 240
 atatgctcgg ccttgagact acctggcgtc aagcgcacat catcaagccc 290

<210> 1475
 <211> 300
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1475

cgagggtgtc aaggccgagg aggagtacga gaagaccggc aagatccccg acccgagtc 60
 caccgacaac gctgagttca agatcgtgct caccatcatc cgcgacgggc tcaaggctga 120
 cccaagaag taccgcaaga tgaaggagag gcttgctcggc gtctctgagg agaccaccac 180
 ggggtgtcaag aggctctacc agatgcagga gaccggcgcc ctctcttcc ctgccattaa 240
 cgtcaacgat tcgtcaccag agcaagtttg acnactgtat ggttgccgca attcattccc 300

<210> 1476
 <211> 260
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1476

anggtcttca ggtccttccc ttggaggacg ttgtctcgga agctgacatc ttcgtgacca 60
 ccactggcaa caaggatatc atcatggttg accacatgag gaagatgaag aacaatgcca 120
 ttgtctgcaa cattggccac ttgacaatg aaattgatat gctcggcctt gagacctacc 180
 ctggcgtcaa gcgcacacc atcaagcccc agactgaccg ctgggtgttc cccgagacca 240
 aactggcat cattgtcctt 260

<210> 1477
 <211> 295
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1477

attacnagaa gaccggcaag anccccgacc cggagtccac cgacaacgct gagttcaaga 60

tcgtgctcac catcatccgc nacgggctca aggctgaccc caagaagtac cgcaaganga 120
aggacgaggc ttgtcggcgt ctctgaggag accaccacgg gtgtcaagag gctctaccag 180
atgcaggaga ccggcgccct cctcttcct gccattaacg tcaangattc cgtcaccaag 240
agcaagtttg acaacntgta tggttgccgc caactcggct ccctgatggg ctgat 295

<210> 1478

<211> 278

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1478

gncgcngccg ccatcgcgcg cgactcggcc gccgtgttcg cctggaaggg ggagaccctt 60
gaggagtact ggtggtgcac cgagcgtgc cttgactggg gcgaggcggg cggccccgac 120
ctcatcgtcg acgacggcgg cgacgccaac gctgctcatc cacgagggtg tcaaggccga 180
ggaggagtac gagaagaccg gcaagatccc cgaccggag tccaaccgac aacgntgagt 240
tcaagatcgt gcttaccatc attcgggacn ggctcaaa 278

<210> 1479

<211> 287

<212> DNA

<213> Zea mays

<400> 1479

gctgagggtc gcctgatgaa ccttgggtgt gctactggcc atcctagctt tgtcatgtcc 60
tgctcattca ctaaccaggc cattgcccac cttgaactgt ggaaggagaa gagctctggc 120
aagtatgaga agaagggtga tgtgctcccc aagcaccttg atgagaaggc tgctgctctc 180
cacttgggca agcttgggtgc caagctgacc aagctcacca agtctcaggc cgactacatc 240
agcgtgccga tcgaggggtcc ctacaagcct gccactacc ggtacta 287

<210> 1480

<211> 306

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1480

cgtcaccaag agcaagtttg acaacctgta tggttgccgc catcgctccc tgatggtctg 60
aatgagggcc actgacgtta tgatcgccgg aaaggttgcc gtggtctgcg gatacgggtga 120
tntcggcaan ggttgtgctg ctgccctcaa gcaggctggt gcccggtgca ttgtgaccga 180
gatcgacccc atctgtgccc tccaggctct gatggagggt cttcagggtcc ttcccttgga 240
ggacgttgtc tctgaagctg acatcttcgt gaccaccact ggcaacaagg atatcacatg 300
gttgac 306

<210> 1481

<211> 314

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1481

ctctgaagct gacatcttcg tgaccaccac tggcaacaag gatatcatca tggttgacca 60
catgaggaag atgaagaaca atgccattgt ctgcaacatt ggccactttg acaatgaaat 120
tgatatgctc ggccttgaga cctaccctgg cgtcaagcgc atcaccatca agccccagac 180
tgaccgctgg gtgttccccg agaccaacac tggcatcatt gtccttgctg anggtcgcct 240
gatgaacttg ggtgtgtatg gccatcctag tttgtcatgt cctgtcatna ctaaccagtc 300
attgnccaat tgaa 314

<210> 1482

<211> 270

<212> DNA

<213> Zea mays

<400> 1482

atgccattgt ctgcaacatt ggccactttg acaatgaaat tgatatgctc ggccttgaga 60
cctaccctgg cgtcaagcgc atcaccatac aagccccaga ctgaccgctg ggtgttcccc 120
gagaccaaca ctggcatcat tgtccttgct gagggtcgcc tgatgaacct tgggtgtgct 180
actggccatc ctagctttgt catgtcctgc tcattcacta accagggtcat tgcccaactt 240
gaactgtgga aggagaagag ctctggcaag 270

<210> 1483

<211> 266
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1483

 caccgacgtt atgatcgccg gtaaggttgc cgtggtctgc ggatacgggtg atgttggcaa 60
 ggnttgtgcc gctgcactca agcaggctgg tgcccgtntc attgtgaccg agatcgaccc 120
 catctgcnnn ctccangctc tgatggaggg tcttcaggtc ctcccttgg aggacgttgt 180
 ctcggaagct gacatcttcg tgaccaccac tggcaacaag gatatcatca tggttgacca 240
 catgaggaag atgaagaaca atgcca 266

<210> 1484
 <211> 312
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1484

 ctcgttccat ttccccatct ccagatcca attcgcgagt tctccctcct ctgcggccat 60
 ggcgctctct gtggagaaga cctcgtctgg acgggagtag aaggtcaagg atctctcgca 120
 ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
 gtgccgcgnc gaggtcggcc cgtccaagcc cttcgccggc gctaggatct cggggtctct 240
 ccacatgacc atccagaccg ccgtcctcat cgagaccctc accgcgctcg gcgccgaggt 300
 ccgctggtgc tc 312

<210> 1485
 <211> 271
 <212> DNA
 <213> Zea mays

 <400> 1485

 aagccccaga ctgaccgctg ggtgttcccc gagaccaaca ctggcatcat tgtccttgct 60
 gagggtcgcc tgatgaacct tgggtgtgct actggccatc ctagctttgt catgtcctgc 120
 tcattcacta accaggatcat tgcccaactt gaactgtgga aggagaagag ctctggcaag 180
 tatgaaagaa ggtgtatgtg ctccccaagc accttgatga gaaggttgct gctctccact 240

tgggcaagct tgggtgccaag ctgaccaagc t 271

<210> 1486
<211> 275
<212> DNA
<213> Zea mays

<400> 1486

actggggcga ggcgggcggc cccgacctca tcgtcgacga cggcggcgac gccaacgctg 60
ctcatccacg aggggtgtcaa ggccgaggag gattacgaga agaccggcaa gatccccgac 120
ccggagtcca ccgacaacgc tgagttcaag atcgtgctca ccatcatccg cgacgggctc 180
aaggctgacc ccaagaagta ccgcaagatg aaggagaggc ttgtcggcgt ctctgaggag 240
accaccacgg gtgtcaagag gtctaccaga tgcag 275

<210> 1487
<211> 407
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1487

gtccttgctg agggtcgcct gatgaacctt ggggtggggct actggccatc ctagctttgt 60
catgtcctgc tcattcacta accaggatcat tgcccaactt gaactgtgga aggagaagag 120
ctctggcaag tatgagaaga aggtgtatgt gctccccaag caccttgatg agaaggttgc 180
tgctctccac ttgggcaagc ttgggtgcca gctgaccaag ctcaccaagt ctcaggccga 240
ctacatcagc gtgccgatcg agggtcacct caagcctgcc cactaccggt actaggcaca 300
cggcttgag ctnactcggg ccgttgtgtg ctatgaagtt cgctacactg gcctgtcaat 360
tatcttttgc atgcatatgc attatcatat acccaagtcg cgtacag 407

<210> 1488
<211> 300
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1488

ctcccagatc caattcgaga gttctccctc ctctgccgcc atggcgctct ctgtggagaa 60

gacctncgtc tggacgggag tacaagggtca aggatctctc gcaggcggac ttcggccgcc 120
 tcgagattga gctggccgag gtcgaaatgc ccggcctcat ggcgtgccgc gccgagttcg 180
 gcccgcccaa gcccttcgcc ggcgctagga tctcggggtc tctccacatg accatccaga 240
 ccgccgtcct catcgagacc ctcaccgcgc tcggcgccga ggtccgctgg tgctcctgca 300

<210> 1489
 <211> 259
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1489

ccgctgcact caagcaggct ggtgcccggtg tcattgtgac cgagatcgac cccatctncg 60
 ccctccaggc tctgatggag ggtcttcagg tccttccctt ggaggacgtt gtctcggaag 120
 ctgacatctt cgtgaccacc actggcaaca aggatatcat catggttgac cacatgagga 180
 agatgaagaa caatgccatt gtctgcaaca ttggccactt tgacaatgaa attgatatgc 240
 tcggccttga gacctaccc 259

<210> 1490
 <211> 303
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1490

gagggccacc gacgttatga tcgccggtaa ggttgccgng gtctgcgnt acggtgatgt 60
 tggcaagggt tgtgccgctg cactacaagc aggctgggtc ccgtgtcatt gtgaccgagn 120
 atcgacccca tctgcgccct ccaggctctg atggagggtc ttcaggctct tcccttgag 180
 gacgttgtct cggaagctga catcttcgtg accaccaactg gcaacaagga tatcatcatg 240
 gttgaccaca tgaggaagat gaagaacaat gccatgtctg caacntggcc atttgacang 300
 aat 303

<210> 1491
 <211> 268
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1491

gtcgacgacg gcggcgacgc caacgctgct catccacgag ggtgtcaagg ccgaggagga 60
 gtacgagaag accggcaaga tccccgaccc ggagtccacc gacaacgctg agttcaagat 120
 cgtgctcacc atcatccgcg acgggctcaa ggctgacccc aagaagtacc gcaagatgaa 180
 ggagangctt gtcggcgtct ttgaggagac caccangggg gtcaagaggt ctaccagatg 240
 caggagaccg gcgccctcct cttccctg 268

<210> 1492
 <211> 278
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1492

gttctagatc gcgagctaga actagcacca cgggtgtcaa gaggtcttac cagatgcagg 60
 agaccggcgc cctcctcttc cctgncatta acgtcaacga ttccgtcacc aagagcaagt 120
 ttgacaacct gtatggttgc cgccactcgc tccctgatgg tctgatgagg gccactgacg 180
 ttatgatcgc cggaaggtt gccgtggtct gcggatacgg tgatgtcggc aagggttg 240
 ctgctgccct caagcaggct ggtgccgtgt catgtgac 278

<210> 1493
 <211> 282
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1493

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 ctgggnnttc ccenaccca aactggcat cantgtcctt gctganggtc gcctgatgaa 120
 ccttnggtgt gcnactggcc atcctagctt tgtcangtnc tgctcattca ctaaccagg 180
 cattgcccc cttgaactgt ggaaggagaa gagctctggc aagtatgaga agaaggtgta 240
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<210> 1494
 <211> 305

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1494

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 tcgcaggcgg acttcggccg cctcgagatt gagctggccg aggtcgaaat gcccggcctc 120
 atggcgtgcc gcgccgagtt cggcccgtcc aagcccttcg ccggcgctag gatctcgggg 180
 tctctccaca tgaccatcca gaccgccgtc ctcatcgaga ccctcaccgc gctcggcgcc 240
 gaggtccgtg gtgtcctgca acatttctcc acnaggacca gccgcgcgca tgcgcggaan 300
 ggcgc 305

<210> 1495
 <211> 284
 <212> DNA
 <213> Zea mays

 <400> 1495

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 agattgagct ggccgaggtc gaaatgcccc gcctcatggc gtgccgcgcc gagttcggcc 180
 cgtccaagcc cttcgccggc gctaggatct cggggtctct ccacatgacc atccagaccg 240
 ccgtcctcat cgagaccctc accgcgctcg gcgccgaggt ccgt 284

<210> 1496
 <211> 263
 <212> DNA
 <213> Zea mays

 <400> 1496

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 gcaggagacc ggccgccctc tcttccctgc cattaacgtc aacgattccg tcaccaagag 120
 caagtttgac aacctgtatg gttgccgcca ctcgctccct gatggtctga tgagggccac 180
 tgacgttatg atcgccggaa aggttgccgt ggtctgcgga taccgtgatg tcggcaaagg 240
 gttgtgctgc tgccctcaag cag 263

<210> 1497
 <211> 347
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1497

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 atctctcgca ggcggacttc ggccgcctcg agattgagct ggccgagggtc gaaatgcccg 180
 gcctcatggc gtgccgcgcc gagttcggcc cgtccaagcc cttcgccggc gctaggatct 240
 cgggggtctct ccacatgacc atccagaccg ccgtcctcat cgagaccctc accgcgctcg 300
 gcgccgaagt ccgtggtgtc tgcaacatct tctccacgan gaccacg 347

<210> 1498
 <211> 275
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1498

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 agtatgagaa gaagggtgat gtgctcccca agcaccttga tgagaagggt gctgctctcc 180
 acttgggcaa gcttgggtgcc aagctgacca agctcaccaa gtctcaggcc gactacatca 240
 gcgtgccgat cgaggggtccc tacaagcctg cccat 275

<210> 1499
 <211> 306
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1499

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 gcgctctctg tggagaagac ctctgtctgga cgggagtaca aggtcaagga tctctcgcan 120
 gcggacttcg gccgcctcga gattgagctg gccgagggtc aaatgcccg cctcatggcg 180

tgccgcgccc agttcggccc gtccaagccc ttcgcggcg ctaggatctc ggggtctctc 240
cacatgacca tccagaccgc cgtcctcatc gagaccctca ccgcgctcgg cgccgatgtc 300
cgctgg 306

<210> 1500
<211> 280
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1500

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cacatgagga agatgaagaa caatgccatt gtctgcaaca ttggccactt tgacaatgaa 120
attgatatgc tcggccttga gacctaccct ggcgtcaagc gcatcaccat caagncccag 180
actgaccgct ggggtgtccc cgagaccaac actggcatca ttgtccttgt tgagggtcgc 240
tgatgaactt nggggtgcaa ttggccatcc caactttggc 280

<210> 1501
<211> 293
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1501

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tgatgaacct tgggtgtgct aatntgccat cctaagcttg tcatgtcctg ctcatcact 120
aaccagggtca ttgcccact tgaactgtgg aaggagaaga gctctggcaa gtatgagaag 180
aagggtgatg tgctcccaa gcaccttgat gagaagggtg ctgctctcca cttgggcaag 240
cttggtgcca agctgaccaa gctcaccaag tctcaggccg actacatcag cgt 293

<210> 1502
<211> 307
<212> DNA
<213> Zea mays

<400> 1502

cggacctggc gttccatttc cccatctccc agatccaatt cgcgagttct cctcctctg 60

ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc 120
tctcgcaggc ggacttcggc cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc 180
tcatggcgtg ccgcgcgcgag ttcgggccgt ccaagccctt cgccggcgct aggatctcgg 240
ggctctctcca catgaccatc cagaccgccg tcctcatcga gaccctcacc gcgctcggcg 300
ccgaggt 307

<210> 1503
<211> 232
<212> DNA
<213> Zea mays

<400> 1503
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acaatgccat tgtctgcaac attggccact ttgacaatga aattgatatg ctcggccttg 120
agacctaccc tggcgtcaag cgcataacca tcaagcccca gactgaccgc tgggtgttcc 180
ccgagaccaa cactggcatc attgtccttg ctgagggtcg cctgatgaac ct 232

<210> 1504
<211> 277
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1504

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ccgagttcgg cccgtccaag nccttcgccg gcgctaggat ctcggggtct ctccacatga 120
ccatccagac cgccgtcctc atcgagaccc tcaccgcgct cggcgccgag gtccgctggt 180
gtccttgcaa natcttctcc acgcaggacc acgctgccgc ngccatcgcg agcaantcgg 240
ccgngtntt cgcttaaang gggaaaccct cngnrat 277

<210> 1505
<211> 234
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1505

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gaccacatga ggaanatgaa gaacaatgcc attgtctgca acattggcca ctttgacaat 120
gaaattgata tgctcggcct tgagacctac cctggcgtca agcgcacac catcaagccc 180
cagactgacc gctgggtgtt ccccgagacc aacactggca tcattgtcct tgct 234

<210> 1506
<211> 238
<212> DNA
<213> Zea mays

<400> 1506

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agatgcagga gaccggcgcc ctctcttcc ctgccattaa cgtcaacgat tccgtcacca 120
agagcaagtt tgacaacctg tatggttgcc gccactcact ccctgatggt ctgatgaggg 180
ccaccgacgt tatgatcgcc ggtaaggttg ccgtggtctg cggatacggg gatgtttg 238

<210> 1507
<211> 281
<212> DNA
<213> Zea mays

<400> 1507

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ccacgagggg gtcaaggccg aggaggatta cgagaagacc ggcaagatcc ccgacccgga 120
gtccaccgac aacgctgagt tcaagatcgt gtcaccatc atccgcgacg ggctcaaggc 180
tgacccaag aagtaccgca agatgaagga gaggcttctg ggcgtctctg aggagaccac 240
cacgggtgtc aagaggctct accagatgca ggagaccggc g 281

<210> 1508
<211> 235
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1508

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ccttgagacc taccctggcg tcaagcgcat caccatcaag cccagactg accgctgggt 120
gttccccgag accaacactg gcatcattgt ccttgetgag ggctgcctga tgaaccttg 180
gtgtgctact ggccatccta gctttgtcat gtctgtctca ttcactaacc aggnc 235

<210> 1509

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1509

agatccaatt cgcgagttct ccctcctctg ccgcatggc gctctctgtg gagaagacct 60
cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc ggacttcggc cgctcgcaga 120
ttgagctggc cgaggctgaa atgcccggcc tcatggcgtg ccgcgccgag ttcggccccgt 180
ccaagccctt cgccggcgct aggatctcgg ggtctctcca catgaccatc cagaccgccg 240
tcctcatcga gaccctcacc gcgctcggcg ccgangtccg tgggtgcctg caacatttc 299

<210> 1510

<211> 280

<212> DNA

<213> Zea mays

<400> 1510

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gctcggcctt gagacctacc ctggcgctcaa gcgcatacacc atcaagcccc agactgaccg 120
ctgggtgttc cccgagacca acaactggcat cattgtcctt gctgagggtc gcctgatgaa 180
ccttgggtgt gctactggcc atcctagctt tgtcatgtcc tgctcatcac taaccaggtc 240
atgcccact tgaactgtgg aaggagaaga gctctggcaa 280

<210> 1511

<211> 298

<212> DNA

<213> Zea mays

<400> 1511

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ggcgctctct gtggagaaga cctcgtctgg acgggagtac aaggtaagg atctctcgca 120

ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
 gtgccgcgcc gagttcggcc cgtccaagcc cttcgccggc gctaggatct cggggctctt 240
 ccacatgacc atccagaccg ccgtcctcat cgagaccctc accgcgctcg gcgccgag 298

<210> 1512
 <211> 250
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1512

gaccacatga ggaagatgaa gaacaatgcc attgtctgca acattggcca ctttgacaat 60
 gaaattgata tgctcggcct tgagacctac cctggcgta agcgcatcac catcaagccc 120
 nagactgacc gctgggtgtt ccccgagacc aacctggca tcattgtcct tgctgagggt 180
 cgcctgatga accttgggtg tgctactggc catcctagct tggncatgtc cnngctaann 240
 antaacnagg 250

<210> 1513
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1513

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 tccacgaggg tgtcaaggcc gaggaggatt acgagaagac cgncangatc cccgacccgg 180
 agtccaccga caacgctgag ttcaagatcg tgctcaccat catccgcgac ggggtcaagg 240
 ctgaccccaa gaagtaccgc aagatgaagg agaggcttgt cggcgtctct g 291

<210> 1514
 <211> 300
 <212> DNA
 <213> Zea mays

<400> 1514

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tggcgctctc tgtggagaag acctcgtctg gacgggagta caaggtcaag gatctctcgc 120
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 cgtgccgcgc cgagttcggc ccgtccaagc ccttcgccgg cgctaggatc tcgggggtctc 240
 tccacatgac catccagacc gccgtcctca tcgagaccct caccgcgctc ggcgccgagg 300

<210> 1515
 <211> 237
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1515

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 gacgttgtct ctgaagctga catcttcgtg accaccactg gcaacaagga tatcatcatg 120
 gttgaccaca tgaggaagat gaagaacaat gccattgtct gcaacattgg ccactttgac 180
 aatgaaattg atatgctcgg ccttgagacc taccctggcg tcaagcgcat caccatc 237

<210> 1516
 <211> 245
 <212> DNA
 <213> Zea mays

<400> 1516

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 gctcattcac taaccaggtc attgccaac ttgaactgtg gaaggagaag agctctggca 180
 agtatgagaa gaaggtgtat gtgctcccca agcaccttga tgagaagggt gctgctctcc 240
 acttg 245

<210> 1517
 <211> 298
 <212> DNA
 <213> Zea mays

<400> 1517

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atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
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gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgctaggat ctcggggtct 240
ctccacatga ccatccagac cgccgtcctc atcgagaccc tcaccgcgct cggcgccg 298

<210> 1518
<211> 239
<212> DNA
<213> Zea mays

<400> 1518

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gatcgtgctc accatcatcc ggcacggggt caaggctgac cccaagaagt accgcaagat 120
gaaggagagg cttgtcggcg tctctgagga gaccaccacg ggtgtcaaga ggctctacca 180
gatgcaggag accggcgccc tctcttccc tgccattaac gtcaacgatt ccgtcacca 239

<210> 1519
<211> 278
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1519

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ctaaccaggt cattgcccaa cttgaactgt ggaaggagaa gagctctggc aagtatgaga 120
agaaggtgta tgtgtcccc aagcaccttg atgagaaggt tgctgctctc cacttgggca 180
agcttggtgc caagctgacc aagctcacca agtctcaggc cgactacatc agcgtgccga 240
tcgagggtcc ctacaagcct gccactacc ggtactag 278

<210> 1520
<211> 272
<212> DNA
<213> Zea mays

<400> 1520

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gaagatgaag aacaatgccaa ttgtctgcaa cattggccac ttgacaatg aaattgatat 120

gctcggcctt gagacctacc ctggcgtcaa gcgcatcacc atcaagcccc agactgaccg 180
 ctgggtgttc cccgagacca aactggcat cattgtcttg ctgagggtcg ctgatgaact 240
 tgggtgttat ggccatctag tttgtcatgt ct 272

<210> 1521
 <211> 283
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1521

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 gagaagacct cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc ggacttcggc 120
 cgccctcgaga ttgagctggc cgaggtcgaa atgcccggcc tcatggcgtg ccgcgacgag 180
 ttcgggccgt ccaagccctt cgccggcgct aggatctcgg ggtctctcca catgaccatc 240
 cagaccgccc tcctcatcga gaccctcacc gcgctcggcg ncg 283

<210> 1522
 <211> 235
 <212> DNA
 <213> Zea mays

<400> 1522

gacctaccct ggcgtcaagc gcatcaccat caagccccag actgaccgct ggggtgtccc 60
 cgagaccaac actggcatca ttgtccttgc tgagggtcgc ctgatgaacc ttgggtgtgc 120
 tactggccat cctagctttg tcatgtcctg ctcatcact aaccaggatc ttgccaact 180
 tgaactgtgg aaggagaaga gctctggcaa gtatgagaag aagggttatg tgctc 235

<210> 1523
 <211> 313
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1523

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gcaaaatncc cgancccgga gatcancgga naaagcgngt ncaaaaagtg gnncaanaat 180
aatcggaag gggtnaangn tnaccccnag aagtaccgca agatgaanga gaggttgtn 240
ggcgtctctn aggagaccac cacgggtgtn aagaggctct accagatgca ggagaccggc 300
ggcctctctt tcc 313

<210> 1524
<211> 299
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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ggcggacttc ggccgcgccc agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
gtgccgcgcc gagttcggcc cgtccaagcc ctccgccggc gctaggatct cggggtctct 240
ccacatgacc atccagaccg ccgtcctcat cgagaccctc ancgcgctcg gcgccgagg 299

<210> 1525
<211> 232
<212> DNA
<213> Zea mays

<400> 1525

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caagatcgtg ctcaccatca tccgcgacgg gctcaaggct gacccaaga agtaccgaa 120
gatgaaggag aggttgctg gcgtctctga ggagaccacc acgggtgtca agaggctcta 180
ccagatgcag gagaccggcg cctcctctt ccctgccatt aacgtcaacg at 232

<210> 1526
<211> 317
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1526

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ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc 120
tctcgcaggc ggacttcggc cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc 180
tcatggcgtg ccgcgccgag ttccggcccgt ccaagcnttt cgccggcgct aggatcttcg 240
gggtctctcc acatgaccat ccagaccgcc gtcctcatcg agaccctcac cgcgctggcg 300
ccgaagtccg ctggtgt 317

<210> 1527
<211> 289
<212> DNA
<213> Zea mays

<400> 1527
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cgtgccgcgc cgagttcggc ccgtccaagc ccttcgccgg cgctaggatc tcggggctctc 240
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<210> 1528
<211> 299
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1528

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catggcgtgc ngcgacgagt tcggcccgtc caagcccttc gccggcgcta ggatctcggg 240
gtctctccac atgaccatcc agaccgccgt cctcatcgag accctcaccg cgctcgng 299

<210> 1529
<211> 245
<212> DNA
<213> Zea mays

<400> 1529

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aaccagggtca ttgcccaact tgaactgtgg aaggagaaga gctctggcaa gtatgagaag 120
aagggtgatg tgctcccaa gcaccttgat gagaagggtg ctgctctcca cttgggcaag 180
cttggtgcca agctgaccaa gctcaccaag tctcaggccg actacatcag cgtgccgata 240
gaggg 245

<210> 1530

<211> 287

<212> DNA

<213> Zea mays

<400> 1530

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ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
gtgccgcgcc gagttcggcc cgtccaagcc cttcgcggc gctaggatct cgggggtctct 240
ccacatgacc atccagaccg ccgtcctcat cgagaccctc accgcgc 287

<210> 1531

<211> 283

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1531

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naggcttggt cggcgtctct gaggagacca ccacgggtgt tcaagaggct ctaccagatg 120
caggagaccg gcgcctcct cttccctgcc attaacgtca acgattccgt caccaagagc 180
aagtttgana acctgtatgg ttgccgccan tcgtcctgat ggtctgatga gggcactgac 240
gttatgatcg ccggaaggtn gccgtggtct gcgaatacgt ntt 283

<210> 1532

<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <400> 1532

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ccgttcatt tccccatctc ccagatccaa ttcgcgagtt ctccctcctc tgccgccatg 60
gcgctctctg tggagaagac ctcgtctgga cgggagtaca aggtcaagga tctctcgag 120
gcggacttcg gccgcctcga gattgagctg gccgaggtcg aaatgcccgg cctcatggcg 180
tgccgcgncg agttcgcccc gtccaagccc ttcgccggcg ctaggatctc ggggtcttcc 240
acatgaccat ccagaccgcc gtcctcatcg agaccctcac cgcgctcggc gcgaggtccg 300
t 301
```

<210> 1533
 <211> 268
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1533

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ctgagggtcg cctgatgaac cttgggtgtg ntactggcca tcctagnctt tgtcatgtcc 60
tgctcattca ctaaccaggt cattgccc aa cntgaactgt ggaaggagaa gagctctggc 120
aagtatgaga agaaggtgta tgtgctcccc aagcaccttg atgagaaggt tgctgctctc 180
cacttgggca agcttgggtgc caagctgacc aagctcacca agtctcaggc cgactacatc 240
agcgtgccga tcgaggtcct acaagcct 268
```

<210> 1534
 <211> 286
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1534

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ctctcgttcc atttccccat ctcccagatc caattcgcga gttctccctc ctctgcggcc 60
atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaaggtcaa ggatctctcg 120
caggcggact tcggccgcct cgagattgag ctggccgang tcgaaatgcc cggcctcatg 180
gcgtgccgcg ccgagttcgg cccgtccaan cccttcgccg gcgctaggat ctcgggggtct 240
ctccacatga ccatccagac cgccgtcctc atcgagaccc tcaccg 286
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<210> 1535

<211> 233

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1535

gcaantttga caacctgtat ggttgccgcc actcactccc tgatgggtctg atgangggcca 60
ccgacgttat gatcgccggt aaggttgccg tggctgcggt atacggtgat gttggcaagg 120
gttgtgccgc tgcantcaag caggctgggtg cccgtgtcat tgtgaccgag atcgacccca 180
tctnngccct ccaggctctg ntggagggtc ttcaggctct tcccttggag gac 233

<210> 1536

<211> 339

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1536

ctcccagatc caattcgca gttctccctc ctctgccgcc atggcgctct ctgtggagaa 60
gacctcgtct ggacgggagt acaagggtcaa ggatctctcg caggcggact tcggccgcct 120
cgagattgag ctggccgagg tcgaaatgcc cggcctcatg gcgtgccgcg ccgagttcgg 180
cccgtccaag cccttcgccg gcgctaagat ctcggggtct ctccacatga ccatccagac 240
cgccgtcctc atcgagaacc tcaccgcntt ggcgccgaag tccgtggtgt cctgcaanat 300
tttccangca gaccaggcgg cggcggcatg ggcggtatgg 339

<210> 1537

<211> 263

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1537

antgngnan cgggggtcaa ggctgacccc aagaagtacc gcaagatgaa ggagagactt 60
gtcggcgtct ctgaggagac nnccacggga nttcaagagg cactacncag atgcaggana 120
ccggcgccct cctcttcct gccattaacg tcaacgattc cgtcaccaag agcaagtttg 180
acaacctgta tggttgccgc cactcgctcc ctgatggtct gatgagggcc actgacgtta 240

tgatcgccgg aaaggttgcc gtg

263

<210> 1538

<211> 226

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1538

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cttcccttgg aggacgttgt ctctgaagct gacatcttcg tgaccaccac tggcaacaag 120

gatatcatca tggttgacca catgaggaag atgaagaaca atgccattgt ctgcaacatt 180

ggccactttg acaatgaaat tgatatnctc ggcttgata cctacc 226

<210> 1539

<211> 302

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1539

ctcactcccg ttcentttcc ccatctccca gntccanttc gcgagttctc cctcctctgc 60

cgccatggcg ntctctgtgg agaagacntc gtctggacgg gagtacaagg tcaaggatnt 120

ctcgcaggcg ganttcggcc gcctcgagat tgantctggcc gaggtcgaaa tgcccggcct 180

catggcgtgc cgcgccgagt tcggcccgtc caancccttc gccggcncta ggatntcggg 240

gtctctccac atgaccatcc agaccgccgt cctcatcgag accctcaccg cgctcggcnt 300

ga 302

<210> 1540

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1540

agctgacatc ttcgtgacca ccaactggcaa caaggatatc atcatggttg accacatgag 60

gaagatgaag aacaatgccaa ttgtctgcaa cattggccac tttgacaatg aaattgatat 120

gctcggcctt gagacctanc ctggcgtcaa ggcataacca tcaagcccca gactganccg 180
 tgggtgtttc cccgagacca aactggcat cattgtcctt gctgagggtc gctggatgna 240
 ncttgggtgt gctactgggc atcctagttt tgtcatg 277

<210> 1541
 <211> 274
 <212> DNA
 <213> Zea mays

<400> 1541

ccgttccatt tccccatctc ccagatccaa ttccgcgagtt ctccctcctc tgcctcgact 60
 ggggcgaggc gggcgggccc gacctcatcg tcgacgacgg cggcgacgcc aacgctgctc 120
 atccacgagg gtgtcaaggc cgaggaggat tacgagaaga ccggcaagat tccgacccgg 180
 agtccaccga caacgctgag ttcaagatcg tgctcaccat catccgcgac gggctcaagg 240
 ctgaccccaa gaagtaccgc aagatgaagg agag 274

<210> 1542
 <211> 243
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1542

cggaacgctg ggangctgac atcttcgtga ccaccactgg caacaaggat atcatcatgg 60
 ttgaccacat gaggaagatg aagaacaatg ccattgtctg caacattggc cactttgaca 120
 atgaaattga tatgctcggc cttgagacct accctggcgt caagcgcac accatcaagc 180
 cccagactga ccgtgggtgt tccccgagac caacaactggc atcatgtctt gtgaaggctg 240
 ctg 243

<210> 1543
 <211> 284
 <212> DNA
 <213> Zea mays

<400> 1543

cctcactccc gttccatttc cccatctccc agatccaatt cgcgagttct cctcctctg 60
 ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc 120

tctcgcaggc ggacttcggc cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc 180
tcatggcgtg ccgcgcgag ttcgggccgt ccaagccctt cgccggcgct aggatctcgg 240
ggtctctcca catgaccatc cagaccgccg tctcatoga gacc 284

<210> 1544
<211> 261
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1544

ctcccagatc caattcgcga gttctccctc ctctgccgcc atggcgctct ctgtggagaa 60
gacctcgtct ggacgggagt acaagggtcaa ggatctctcg caggcggact tcggccgcct 120
cgagattgag ctggccgagg tcgaaatgcc cggcctcatg gcgtgccgcg ccgagttcgg 180
cccgtccaag cccttcgccg gcgctaggat ctcggggtct ctccacatga ncatccagac 240
cgccgtcctc atcgagaccc t 261

<210> 1545
<211> 280
<212> DNA
<213> Zea mays

<400> 1545

ctctcgttcc atttcccat ctcccagatc caattcgcga gttctccctc ctctgccgcc 60
atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
caggcggact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgctaggat ctcggggtct 240
ctccacatga ccatccagac cgccgtcctc atcgagaccc 280

<210> 1546
<211> 288
<212> DNA
<213> Zea mays

<400> 1546

ctccctcact cccgttccat ttcccatct cccagatcca attcgcgagt tctccctcct 60

ctgccgccat gcgctctctg tggagaagac ctcgtctgga cgggagtaca aggtcaagga 120
tctctcgag gcggacttcg gccgcctcga gattgagctg gccgaggtcg aaatgcccgg 180
cctcatggcg tgccgcgccg agttcggccc gtccaagccc ttcgccggcg ctaggatctc 240
ggggtctctc cacatgacca tccagaccgc cgtcctcatc gagaccct 288

<210> 1547

<211> 260

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1547

atctcccaga tccaattcgc gagttctccc tcctctgcgg ccatggcgct ctctgtggag 60
aagacctcgt ctggacggga gtacaaggtc aaggatctct cgcaggcgga cttcggccgc 120
ctcgagattg agctggccga ggtcgaaatg cccggcctca tggcgtgccg cgccgagttc 180
ggcccgtcca agcccttcgc cggcgctagg atctcgggggt ctctccacat gaccatccag 240
accgcngtcc tcatcgagac 260

<210> 1548

<211> 212

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1548

tactggtggt gcaccgagcg ctgcctcgac tggggcgagg cgggcggcca cgacctcatc 60
gncgacgacg gcggcgacgc cacgctgctc atccacgagg gtgtcaaggc cgaggaggat 120
tacgagaaga ccggcaagat ccccgacccg gagtcanccg acaacgctga gttcaagatc 180
gtgctcacca tcatccgcga cgggctcaag gt 212

<210> 1549

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1549

cggacgntgg tagtggttgt gccgctgcac tncaagcagg ctggtgcccg tgtcattgng 60

nccgagatcg accccatctg cncctccag gctctgatgg agggctcttca ggtccttccc 120
 ttggaggacg ttgtctcgga agctgacatc ttcgtgacca cacttgcaa caaggatata 180
 atcatggttg accacatgag gaagatgaag aacaatgcc a ttgtctgcaa cattggccat 240
 ttgacaatga attgatatgc tcggccttga gacctac 277

<210> 1550
 <211> 277
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1550

ggtgcaccga gcgctgcctc gactggggcg angcgngcgg cncgcacctc atcgtcgacg 60
 acggcngcga cgccacgctg ctcanccacg anggtgtcaa ggccgntggg gattacgagn 120
 agaccggcna gatccccgac ccgngtnca ccgacaacgc tgagttcaag atcgtgctca 180
 ccatcntccg ngacgggctn aacgctgacc ccaagaagta ccgcnaantg aangagangt 240
 tgtaggcgtc tctgangaga ncacnacggg tgtnaag 277

<210> 1551
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1551

ctttgtcatg tcctgctcat tcactaacca ggtcattgcc naacttgaac tgtggaagga 60
 gaagagctct ggcaagtatg agaagaaggt gtatgtgctc cccaagcacc ttgatgagaa 120
 ggttgctgct ctccacttgg gcaagcttgg tgccaagctg accaagctca ccaagtctca 180
 ggccgactac atcagcgtgc cgatcgaggg tccctacaag cctgcccact accggtacta 240
 ggacacggc ttgcagctca ctggggccgt tgtgtgctat gaagttcgct a 291

<210> 1552
 <211> 274
 <212> DNA
 <213> Zea mays

<400> 1552

ctcccgttcc atttcccat ctcccagatc caattcgga gttctccctc ctctgccgcc 60
atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
caggcggact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgctaggat ctcggggtct 240
ctccacatga ccatccagac cgccgtcctc atcg 274

<210> 1553

<211> 318

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1553

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ggagaagagc tctggcaagt atgagaagaa ggtgtatgtg ctccccaagc accttgatga 120
gaaggttgct gctctccact tgggcaagct tgggtgccaag ctgaccaagc tcaccaagtc 180
tcaggccgac tacatcagcg tgccgatcga gggtccttaa caagcctgcc cactaccggt 240
actaggcagc cagcacacgg cttgcagctc actcgggcgt tgtgtgcaan nanttcgana 300
cnnggcctgn aatnatatt 318

<210> 1554

<211> 222

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1554

gcctgatgaa ccttgggtgt gctactggcc atcctagctt tgtcatgtcc tgctcattca 60
ctaaccaggt cattgcccaa cttgaactgt ggaaggagaa gagctctggc aagtatgaga 120
agaagggtgta tgtgtcctcc aagcancttg atgagaagggt tgctgctctc cacttgggca 180
agcttggtgc caagctgacc aagttcacca agtctcaggc cg 222

<210> 1555

<211> 259

<212> DNA

<213> Zea mays

<400> 1555

catttcccca tctcccagat ccaattcgcg agttctccct cctctgcggc catggcgctc 60
tctgtggaga agacctcgtc tggacgggag tacaaggta aggatctctc gcaggcggac 120
ttcggccgcc tcgagattga gctggccgag gtcgaaatgc ccggcctcat ggcgtgccgc 180
gccgagttcg gcccggtccaa gcccttcgcc ggcgctagga tctcggggtc tctccacatg 240
accatccaga ccgccgtcc 259

<210> 1556

<211> 260

<212> DNA

<213> Zea mays

<400> 1556

cgttccattt ccccatctcc cagatccaat tcgcgagttc tccctcctct gcggccatgg 60
cgctctctgt ggagaagacc tcgtctggac gggagtacaa ggtcaaggat ctctcgcagg 120
cggacttcgg ccgcctcgag attgagctgg ccgaggtcga aatgcccggc ctcatggcgt 180
gccgcgccga gttcggcccc tccaagccct tcgccggcgc taggatctcg gggctctctc 240
acatgaccat ccagaccgcc 260

<210> 1557

<211> 271

<212> DNA

<213> Zea mays

<400> 1557

cctcactccc gttccatttc cccatctccc agatccaatt cgcgagttct ccctcctctg 60
ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc 120
tctcgcaggc ggacttcggc cgctcgcaga ttgagctggc cgaggtcgaa atgcccggcc 180
tcatggcgtg ccgcgccgag ttcggccccgt ccaagccctt cgccggcgct aggatctcgg 240
ggtctctcca catgaccatc cagaccgccc c 271

<210> 1558

<211> 223

<212> DNA

<213> Zea mays

<400> 1558

ttcctcatgt ggtcaaccat gatgaagatg aagaacaatg ccattgtctg caacattggc 60
cactttgaca atgaaattga tatgctcggc cttgagacct accctggcgt caagcgcac 120
accatcaagc ccagactga ccgctgggtg ttccccgaga ccaacactgg catcattgtc 180
cttgctgagg gtcgcctgat gaacttgggt gtgctactgg cca 223

<210> 1559

<211> 293

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1559

cccgttccat ttccccatct ccagatcca attcgcgagt tctccctcct ctgccgccat 60
ggcgtctctc tgtggagaag acctcgtctg gacgggagta caangtcaag gatctctcgc 120
aggcggactt cggccgcctc gagattgagc tggccgaggt cgaaatgcc ggccctcatgg 180
cgtgccgcgc cgagttcggc ccgtccaagc ccttcgccgg cgctaggatc tcggggtctc 240
tccacatgac catccanacc gngtctctca tcgagacctc accgnttgg nnc 293

<210> 1560

<211> 244

<212> DNA

<213> Zea mays

<400> 1560

cccagatcca attcgcgagt tctccctcct ctgccgccat ggcgtctctc gtggagaaga 60
cctcgtctgg acgggagtac aagggtcaagg atctctcgca ggcggacttc ggccgcctcg 120
agattgagct ggccgaggtc gaaatgcccg gcctcatggc gtgccgcgcc gagttcggcc 180
cgtccaagcc cttcgccggc gctaggatct cggggtctct ccacatgacc atccagaccg 240
ccgt 244

<210> 1561

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <400> 1561

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gaagngcaag tntgacnacc tgtatggttg ccgncactcg ctcccngatg gnctgatgan   60
ggcnactgac gttatgatcg ncggaaaagc tgccgtngtc ttgcgaatan gtnntgtggg  120
caaggtggtg ttnttgcctt caagaaggcn gtgcccgtgt canttgaccg agatcgaccc  180
catctgtgcc tccaggctct gatggagggt cttcaggctt tcccttgag gacgttgtct  240
ctgangtgac atcttcgtga ccaccactgg caaccaagga tatncatgg ttgancacat  300
gagaagatga agaacaatgc cattgtctgc aacattggca cttgacaaga antgtatc   358
```

<210> 1562
 <211> 218
 <212> DNA
 <213> Zea mays

<400> 1562

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gtcatgtcct gctcattcac taaccagggtc attgcctaac ttgaactgtg gaaggagaag   60
agctctggca agtatgagaa gaagggtgat gtgctcccca agcaccttga tgagaagggt  120
gctgctctcc acttgggcaa gcttgggtgcc aagctgacca agctcaccaa gtctcaggcc  180
gactacatca gcgtgccgat cgagggtccc tacaagcc                               218
```

<210> 1563
 <211> 269
 <212> DNA
 <213> Zea mays

<400> 1563

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tctgcggcca tggcgctctc tgtggagaag acctcgtctg gacgggagta caagggtcaag  120
gatctctcgc aggcggactt cggccgcctc gagattgagc tggccgaggt cgaaatgccc  180
ggcctcatgg cgtgccgcgc cgagttcggc ccgccaagc ccttcgcgg cgctaggatc  240
tcggggtctc tccacatgac catccagac                                       269
```

<210> 1564
 <211> 260
 <212> DNA
 <213> Zea mays

<400> 1564

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atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
caggcggact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
gcgtgccgcg ccgagttcgg ccggtccaag cccttcgccg gcgctaggat ctcggggtct 240
ctccacatga ccatccagac 260

<210> 1565

<211> 273

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1565

cgactggggc gaggcgggcg gccccgacct catcgtcgac gacggacggc gacgccacgc 60
tgctncattc cacgaggggtg tcaaggccga ggaggactac gagaagaccg gcaagatccc 120
cgatccggag tccaccgaca acgctgagtt caagatcgtg ctcaccatca tccgcgacgg 180
gtcaagggt gaccccaaga agtaccgcaa gatgaaggag aggttgtcgg cntctctgag 240
gagaccacca cgggtgtcaa gaggtctctac nat 273

<210> 1566

<211> 282

<212> DNA

<213> Zea mays

<400> 1566

cattcactaa ccaggtcatt gcccaacttg aactgtggaa ggagaagagc tctggcaagt 60
atgagaagaa ggtgtatgtg ctccccaagc accttgatga gaagggtgct gctctccact 120
tgggcaagct tggtgccaag ctgaccaagc tcaccaagtc tcaggccgac tacatcagcg 180
tgccgatcga ggggccctac aagcctgccc actaccggtg ctaggcagcc agcacacggc 240
ttgcagctca ctcgggccgt tgtgtgctat gaagttcgct ac 282

<210> 1567

<211> 235

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <400> 1567
 ctcgcaggcg gacntcggcc gcctcgagat tgagcnggcc gaggtcgaaa tgcccggcct 60
 catggcgtgg ccgcgccgag ttcgggcccga ncaaagcnct tcgccggcgc taggattcncg 120
 gggttctncc acatgaccat ccagaccgcc gtcttcacgc agaccntcac ngcgctcggc 180
 gccgagggtcc gtgggtgcncc ngcaacatct tctccagcag gancacgccg ccgcc 235

 <210> 1568
 <211> 239
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <400> 1568
 cttcggccgc ctcgagattg agctggccga ggtcgaaatg cccggcctca tggcgtgccg 60
 cgccgagttc ggcccgtcca agcccttcgc cggcgctagg atctcgggggt ctctccacat 120
 gaccatccag accgccgtcc tcacgcagac cctcaccgcg ctcggcgccg aggtcngctg 180
 gtgctccgca acatctttca acgcaggaca aggcngcggc ggcatcggcg gattcgggtg 239

 <210> 1569
 <211> 250
 <212> DNA
 <213> Zea mays
 <400> 1569
 gttccatttc cccatctccc agatccaatt cgcgagttct cctcctctg cggccatggc 60
 gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc 120
 ggacttcggc cgctcgaga ttgagctggc cgaggtcgaa atgcccgcc tcatggcgtg 180
 ccgcgccgag ttcgggccgt ccaagccctt cgcggcgct aggatctcgg ggtctctcca 240
 catgaccatc 250

 <210> 1570
 <211> 264
 <212> DNA
 <213> Zea mays

<400> 1570

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ctccctcact cccgttccat ttcccatct cccagatcca attcgcgagt tctccctcct 60
ctgccgccat ggcgctctct gtggagaaga cctcgtctgg acgggagtac aaggtcaagg 120
atctctcgca ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg 180
gcctcatggc gtgccgcgcc gagttcggcc cgtccaagcc cttcgccggc gctaggatct 240
cggggtctct ccacatgacc atcc 264
```

<210> 1571

<211> 274

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1571

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tttactaac caggtcattg cccaacttga actgtggaag gagaagagct ctggcaagta 60
tgagaagaag gtgtatgtgc tccccaagca ccttgatgag aaggttgctg ctctccactt 120
gggcaagctt ggtgccaaagc tgaccaagct caccaagtct caggccgact acatcagcgt 180
gccgatcgag ggtccctaca agcctgcca ctaccggtac taggcnacgg cttgcagctt 240
cactcgggcc gttgtgtgct atgaagtctg ctac 274
```

<210> 1572

<211> 289

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1572

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tttccccatc tcccagatcc aattcgcgag ttctccctcc tctgccgcca tggcgctctc 60
tgtggagaag acctcgtctg gacgggagta cataggtaa ggatctctcg caangcggga 120
cttcggccgc ctcgagattg agctggccga ggtcgaaatg cccggnctca tggcgtgccg 180
cgccgagttc ggcccgtcca ancccttcgc cggcgctaag atctcggggg ctctccacat 240
gaccatccag ancgncgtcc tcatcgagac cctcancgng ctngggggg 289
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<210> 1573

<211> 276

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1573

atcaagcccc agactgaccg ctgggtgttg atggtgatgc gcttgacgcc agggtaggtc 60

tcaaggccga gcatatcaat ttcatgtca aagtggccaa tgttgacagc aatggcattg 120

ttcttcatct tctcatgtg gtcaaccatg atgatatcct tgttgccagt ggtggtcacg 180

aagatgtcag cttccgaggt caacggctcc aagctgtcgc ctgangagct cgtgggtgctg 240

caggggtgcc cgtgcccgcc gtctaagctc cgcccg 276

<210> 1574

<211> 310

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1574

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tgcggccatg gcgtctctg tggagaagac ctcgtctgga cgggagtaca angtaagga 120

tctctcgcag gcggaattcg gccgcctcga gattgagctg gccgaggtcg aaatgcccgg 180

cctcatggcg tgccgcgccg agttcggccc gtccaagcnc ttcgccggcg taggattcgg 240

ggtctctcca catgaccatc cagaccgccg tctcatcgag acctcacgcg tcggcgccga 300

ggtcgtggtg 310

<210> 1575

<211> 241

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1575

cccatctccc agatccaatt cgcgagttct ccctcctctg ccgccatggc gctctctgtg 60

gagaagacct cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc ggacttcggc 120

cgccctcgaga ttgagctggc cgaggtcgaa atgcccggcc tcatggcgtg ccgcgccgag 180

ttcggcccgt ccaagccctt cgccggcgct angatctcgg ggtctctcca catgacatcc 240

a 241

<210> 1576

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1576

ctttgtcatg tcctgctcat tcactaacca ggtcattgcc caccttgaac tgtggaagga 60
gaagagctct ggcaagtatg agaagaaggt gtatgtgctc cccaagcacc ttgatgagaa 120
ggttgctgct ctccacttgg gcaagcttgg tgccaagctg accaagctca ccaagtctca 180
ggccgactac atnccgcgtg ccgacgcagg gtccctacaa gcctgcccac ttaccggtat 240
aggcacacgg cttgcagctc actcggggccg ttgtgtgcta tgaattcgct acatggctg 299

<210> 1577

<211> 272

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1577

ccgacgctgg nccgnacgcg tccggttcca tttccccatc tcccagatcc aattcgcgaa 60
gnctccctcc tctgcggcca nggcgctctc tgtggagaag acctcgtctg gacgggagta 120
caaggtaag gatctctcgc aggcggactt cggccgcctc gagattgagc tggccnaggt 180
cgaaatgcc ggccatcatg cgtgccgcgc cgagttcggc ccgtccaagc ccttcgccgg 240
cgctaggatc tcggggtctc tccacatgac ca 272

<210> 1578

<211> 179

<212> DNA

<213> Zea mays

<400> 1578

ggagaccggc gccctcctct tccctgccat taacgtcaac gattccgtca ccaagagcaa 60
gtttgacaac ctgtatggtt gccgccactc actccctgat ggtctgatga gggccaccga 120
cgttatgata gccggtaagg ttgccgtggt ctgcggatac ggtgatgttg gcaagggtt 179

<210> 1579
 <211> 278
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1579

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 tggagaagac ctctgtctgga cgggagtaga aggtcaagga tctctcgcag gcggacttcg 120
 gccgcctcga gattgagctg gccgaggtcg aaatgcccg cctcatggcg tgccgcgccg 180
 agttcggccc gtccaanccc ttngccggcg taggatctcg gggtcctcca catgaccatc 240
 cagaccgcng tcntatcgag acctnacngn gttggngg 278

<210> 1580
 <211> 243
 <212> DNA
 <213> Zea mays

<400> 1580

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 gagaagacct cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc ggacttcggc 120
 cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc tcatggcgtg ccgcgccgag 180
 ttcgggccgt ccaagccttt cgccggcgta ggatctcggg gtctctccac atgaccatcc 240
 aga 243

<210> 1581
 <211> 247
 <212> DNA
 <213> Zea mays

<400> 1581

ctcgttccat ttccccatct cccagatcca attcgcgagt tctccctcct ctgcggccat 60
 ggcgctctct gtggagaaga cctcgtctgg acgggagtag aaggtcaagg atctctcgca 120
 ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
 gtgccgcgcc gaggtcggcc cgtccaagcc cttcgccggc gctaggatct cgggggtctct 240
 ccacatg 247

<210> 1582
 <211> 246
 <212> DNA
 <213> Zea mays

<400> 1582

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 gcgctctctg tggagaagac ctggtctgga cgggagtaca aggtcaagga tctctcgag 120
 gcggacttcg gccgcctcga gattgagctg gccgaggctg aaatgcccg cctcatggcg 180
 tgccgcgccg agttcgcccc gtccaagccc ttgcgccgcg ctaggatctc ggggtctctc 240
 cacatg 246

<210> 1583
 <211> 276
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1583

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 tctgcggcca tggcgctctc tgtggagaag acctcgtctg gacgggagta caaggtaag 120
 gatctctcgc aggcggactt cggccgcctc gagantgagc cggccgaggg cgaaaanccc 180
 ggcctcaagg cgtgccgcgc cgagtnggcc cgnccaagcc ctgcgccg ctaggatct 240
 cggggtctct ccacatgacc atccagacc cggtcc 276

<210> 1584
 <211> 178
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1584

attgtctgca acattggcca ctttgacaat gaaattgata tgctcggcct tgagacctac 60
 cctggcgtca agcgcatcac catcaagccc cagactgacc gctgggtgtt ccccgagacc 120
 aacactggca tcattgtcct tgctgagggg cgctganga nccttgtgtg tactnntg 178

<210> 1585

<211> 175
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1585

 cgacggcggc gacgccacgc tgctcatcca cgaggggtgtc aaggccgaga aggagtacga 60
 gangaccggc aagatccccg acccgagtc caccgacaac gctgagttca agatcgtgct 120
 caccatcatc cgcgacgggc tcaaggctga cccaagaag taccgcaaga tgaag 175

 <210> 1586
 <211> 235
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1586

 tccccatctc ccagatccaa ttgcgaggtt ctcctctctc tgccgccatg gcgctctctg 60
 tggagaagac ctctcttgga cgggagtaca aggtcaagga tctctcgag gcggacttcg 120
 gccgcctcga gantgagctg gccgaggtcg aaatgcccgg cctcatggcg tgccgcgccg 180
 agttcggcc gtccaagccc ttgcgcggcg ctaggatctc ggggtctctc cacat 235

 <210> 1587
 <211> 180
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1587

 ancaagtttg acaacctgta tggttgccgc nactcgctcc ctgatggtct gatgagggcc 60
 actgacgtta tgatcgccgg aaagggtgcc gtggtctcg gatacgggtga tgtcggnang 120
 ggttgtgeng ctgcnctcaa gcaggctggt gcccggtgna tcgtgancgn gatcgacccc 180

 <210> 1588
 <211> 236
 <212> DNA
 <213> Zea mays

 <400> 1588

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ggcgctctct gtggagaaga cctcgtctgg acgggagtag aaggtcaagg atctctcgca 120
ggcggacttc ggccgcctcg agattgagct ggccgaggtc gaaatgcccg gcctcatggc 180
gtgccgcgcc gagttcggcc cgtccaagcc ctccgccggc gctaggatct cggggt 236

<210> 1589
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1589

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atcatcatgg ttgaccacat gaggaagatg aagaacaatg ccattgtctg caacattggc 120
cacattgaca aagaaatgnt angcncgggc ccgnagaccn aacccggcgg caanngnanc 180
aacaacnagg cccagacgga ncgccggggg gncccccaga ccaacacggn aacaagtcct 240
gncgaggggc gcccgangaa ccatngggga gc 272

<210> 1590
<211> 260
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1590

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gccgccatgg cgctctctgt ggagaagacc tcgtctggac gggagtacaa ggtcaaggat 120
ctctcgagg cggaattcgg ccgcctcgag attgagctgg ccgaggtcga aatgcccggc 180
ctcatggcgt gccgcgccga gttcggcccc tccaagcctt tcgccggcgc taggatctcg 240
ggggtctctc cacatganca 260

<210> 1591
<211> 245
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1591

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 ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggntc 120
 tctcgcaggc ggacttcggc cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc 180
 tcatggcgtg ccgcgccgag ttcgggccgt ccaagccctt cgcggcgct aggatctcgg 240
 ggtct 245

<210> 1592
 <211> 209
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1592

cccagatcca attcgcgagt nctccctcct ctgccgccat ggcgctctct gtggagaaga 60
 cctcgtctgg acgggagtac aaggtaagg atctctcgca ggaggacttc ggccgcctcg 120
 agattgagct ggccgaggtc gaaatgcccg gcctcatggc gtgccgcgcc gagttcggcc 180
 cgtccaagcc cttcgccggc gctaggatt 209

<210> 1593
 <211> 221
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1593

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 gagaagacct cgtctggacg ggagtacaag gtcaaggatc tctcgcaggc ggacttcggc 120
 cgcctcgaga ttgagctggc cgaggtcgaa atgcccggcc tcatggcgtg ccgcgccgag 180
 ttcgggccgt cnaagccctt cgcnggcggt aaggntttgg g 221

<210> 1594
 <211> 226
 <212> DNA
 <213> Zea mays

<400> 1594

ctctcgttcc atttcccat ctcccagatc caattcgca gttctccctc ctctcggcc 60

atggcgctct ctgtggagaa gacctcgtct ggacgggagt acaagggtcaa ggatctctcg 120
caggcggact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
gcgtgccgcg ccgagttcgg cccgtccaag cccttcgccg gcgcta 226

<210> 1595
<211> 149
<212> DNA
<213> Zea mays

<400> 1595

ccctcgagga gtactggtgg tgcaccgagc gctgcctcga ctggggcgag gcgggcggcc 60
ccgacctcat cgtcgacgac ggcggcgacg ccacgctgct catccacgag ggtgtcaagg 120
ccgaggagga ttacgagaag accggcaag 149

<210> 1596
<211> 301
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1596

cccgtncat ntcncccatn ncccagatcc aatttcgcga gtacnaccnc ctcnagnccg 60
catgggggct ctctgtggag aagacatcgt ctggacggga gtacaagggtc aaggatcnct 120
cgcaggcgga cntcgccgc ntcgagattg agcnggccga ggtcgaaatn acccggnctc 180
atggcgtnen gcgccgagtt cggcccgctc aagcncttcg ccggcgctan gattcgggggt 240
ctctaccaca tgaccatcca gacggcgctc tcacgagac atcacagcgt cggngccgag 300
t 301

<210> 1597
<211> 174
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1597

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tccccgacct ngngtccacc gataacnctg nnttcaagat cgtggctcac catcatccgc 120

gacgggctca aggctgacnc caagaagtac cgcaagatga aggagnggct ngtt 174

<210> 1598

<211> 228

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1598

ccctcactcc cgttccatth ccccatctcc cagatccaat tcgagagttc tccctcctct 60

gccgccatgg cgctctctgt ggagaagacc tcgtctggac gggagtacaa ggtcaaggat 120

ctctcgaggg cggacttcgg ccgcctcgag attgagctgg ccgaggtcga aatgcccggn 180

ctcatggcgt gccgcgccga gttcggcccg tccaagccct tcgccggg 228

<210> 1599

<211> 227

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1599

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cctcgtctgg acgggggtac aaggtaagg atctctcgca ggcggacttc ggccgcctcg 120

agattgagct ggccgaggtc gaaatgcccg gcctcatggc gtgccgcgcc gagttcggcc 180

cgtccaagcc cttcgccggc gtaggatctc ggggtcctca natgaca 227

<210> 1600

<211> 236

<212> DNA

<213> Zea mays

<400> 1600

ccgttccatt tccccatctc ccagatccaa ttcgagagtt ctccctcctc tgccgccatg 60

gcgctctctg tggagaagac ctgctctgga cgggagtaca aggtcaagga tctctcgag 120

gcggacttcg gccgcctcga gattgagctg gccgaggtcg aaatgcccg cctcatggcg 180

tgccgcgccg agttcggccc gtccaagcct tcgccggcgc taggatctcg gggttc 236

<210> 1601

<211> 209
 <212> DNA
 <213> Zea mays

<400> 1601

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 caggcggaact tcggccgcct cgagattgag ctggccgagg tcgaaatgcc cggcctcatg 180
 gcgtgccgcg ccgagttcgg cccgtccaa 209

<210> 1602
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1602

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 ccgccanggn gctctctgtg gagaagacct cntctggacg ggagtacaag gtcaaggatn 120
 nctcgcaggn ggacttcggt cgccncgaga ttganctggc ngaggncgaa atgcccggcc 180
 ncatggcntg ccnggccgan ttcggcccgt ctangccctt cgncggcgct aggnnacng 240
 ngtctcacca catgaccatc naagactgtn ttcctcancg agaactnang gtacgacggt 300
 accnaagtnc ccngatatcc gngnncnact tcccaacant tgaggaaacct acantgcatt 360
 tcnanngacc gnaccanaat tgncanatca aaggtaaatt aanncntagn ctncaanggg 420
 naantg 426

<210> 1603
 <211> 232
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1603

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 ggagaagacc tcgtctggac gggagtacaa ggtcaangat ctctcgcagg cggacttcgg 120
 ccgcntcnat attgagctgg ccgaggtcga aatgcncggc ctcatagcgt gccgcgccga 180

tttcggnccg tcnaagccct tcgccgggng ctaggatctc ggggtctctc ca 232

<210> 1604
<211> 218
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1604

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ctgccgccat ggcgctctct gtggagaaga cctcgtctgg acgggagtag aaggtaagg 120
atcnctcgca ggcggacntc ggccgcctcg agantgagcn ggccgaggtc gaaatgcccg 180
gcctcatggc gtgccgcgcc gagttcggcc cgtccaag 218

<210> 1605
<211> 134
<212> DNA
<213> Zea mays

<400> 1605

gccgccactc actccctgat ggtctgatga gggccaccga cgttatgatc gccggtaagg 60
ttgccgtggt ctgcggatac ggtgatgttg gcaagggttg tgccgctgca ctcaagcagg 120
ctggtgcccg tgtc 134

<210> 1606
<211> 152
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1606

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catcttctcc acgcaggacc acgccgccgc cgcnatcgcg cgcgantcgg ccgccgtgtt 120
cgcctgnaaa gggggagacc cttgaggagt ag 152

<210> 1607
<211> 287
<212> DNA
<213> Zea mays

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<223>      unsure at all n locations
<400>      1607
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nnctcccact	tgggcaagct	tgggtgccaag	ctgaccaagc	tcaccaagtc	tcaggccgac	120
tacatcagcg	tgccgatcga	gggtccctac	aagcctgccc	actaccggtg	ctaggcagcc	180
agcacacggc	ttgcagctca	cttcggggccg	ttgtgtgcta	tnaagtnenc	nencactgnc	240
ctgtcagttc	atctttttgca	tgcatatgca	ntatcatata	cgcacgcg		287

<210>	1608
<211>	123
<212>	DNA
<213>	Zea mays

```
<223>      unsure at all n locations
<400>      1608
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tgtctctgaa gctgacatct tcgtgaccac cactggcaac aaggatatca tcatggttga    60
ccacatgagg aagatgaaga acaatgccat tgtctgcaac attggccact ttgacaatga   120
ant                                         123
```

<210>	1609
<211>	348
<212>	DNA
<213>	Zea mays

```
<223>      unsure at all n locations
<400>      1609
```

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gccctcaagc	aggctggtgc	ccgtgtcatt	gtgaccgaga	tcgaccccat	ctgtgcnctc	120
caggctctga	tggagggtt	caggctcttc	cttgaggag	gtgtctctga	agcnnacatc	180
tcgtgacaac	attggcanca	agtatcatca	tggtgaccac	atgaggaaga	gaagacccat	240
gccatgtctg	cacattggca	ctttgacatg	aattgatatc	tcggcttgag	actacctgng	300
tcaanqctca	catcagcccn	gatgacgtgg	tgtcccgaga	canatgga		348

<210>	1610
<211>	266
<212>	DNA
<213>	Zea mays

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<223>      unsure at all n locations
<400>      1610
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<210>	1611
<211>	143
<212>	DNA
<213>	<i>Zea mays</i>

<210>	1612
<211>	118
<212>	DNA
<213>	Zea mays

<210>	1613
<211>	265
<212>	DNA
<213>	Zea mays

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ctcatggcgt gccgcggcga gttcggccccg tccaagcctt cggcggcgta agatctcggg 240
gtctttcaca tgaacatcag accgc 265

<210> 1614
<211> 111
<212> DNA
<213> Zea mays

<400> 1614

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tgacaatgaa attgatatgc tcggccttga gacctaccct ggcgtcaagc g 111

<210> 1615
<211> 154
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1615

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gacntcgtct ggacgggagt acaagggtcaa ggatctctcg caggcggacn tcggccgcct 120
cgagattgag cnggccgagg tcgaaatncc cggc 154

<210> 1616
<211> 226
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<400> 1616

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cctcgtcctg gaacgggagn acaagggtcaa ggntntntng naggngnant tnggcngcnt 120
cnanattnan ctggccnagg tcgaaatgcc cggcntnatg gcggtcngcg ccganttcgg 180
cccgtccaag ccttcgccgg cgcnaggntc tcgggggtctt cnacat 226

<210> 1617
<211> 229
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1617

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cggtcacaag gntatcatcn ngggtgacca catgagggnag atgaagaaca atgccattgt 180

ctgcaacatt ggccactttg acaatgaaat tgatatgtctc ggccttgag 229

<210> 1618

<211> 120

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1618

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gaagagctct ggcnagtatg anaagaaggt gtatgtgtctc cccaagcacc ttgatgagaa 120

<210> 1619

<211> 109

<212> DNA

<213> Zea mays

<400> 1619

gtgccctcca ggctctgatg gagggctctc aggtccttcc cttggaggac gttgtctctg 60

aagctgacat cttcgtgacc accactggca acaaggatat catcatggt 109

<210> 1620

<211> 96

<212> DNA

<213> Zea mays

<400> 1620

ggttgaccac atgaggaaga tgaagaacaa tgccattgtc tgcaacattg gccactttga 60

caatgaaatt gatatgtctg gccttgagac ctaccc 96

<210> 1621

<211> 118

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <400> 1621

cgctgagttc aagatcgtgc tcaccatcat ccgcgacggg ctcnaggctg accccaagaa 60
 gtnccgcaag atgaaggaga ngcttgctcg cgtctctaag gagancancc angggtgt 118

<210> 1622
 <211> 559
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1622

gnnnnnnngnn tnncnagann nnttcncttt ccaacncctc ttgaatttcc gggtcgaccc 60
 acgcgtccgc aacctgtatg gntgccgnca ctngatccct gatgggtctga tgagggccac 120
 tgaccgttat gntcgccgga aaggttgccg tgggtctncgg atacngtgat ntngcaagg 180
 gttgtgctgc tgcaaatnaa gcanggctng tgcccgtntc attgtnaccc gagancnacn 240
 natctgtncn nntacangct cttattngaa ggtctttang nccttcnctt ggaaganngt 300
 ggctntgaag ctncatnttn ngaccaccac tgnnaacaag gatatnnnat ggttgaccac 360
 atgangaana tgaagnacaa tgccattggc tгнаacattg ggccactttt gacaatgaan 420
 ttgatatgct cnggccttga gacctaccct ggcgtcaaag cgcattatnc atcaaanccc 480
 anactgaccg cttgggtggt tccngagacc aaacactggc atcattggtc cttnctgaag 540
 ggtcnnctgg ntnaacntt 559

<210> 1623
 <211> 88
 <212> DNA
 <213> Zea mays

<400> 1623

cgacaacgct gagttcaaga tcgtgctcac catcatccgc gacgggctca aggctgaccc 60
 caagaagtac cgcaagatga aggagagg 88

<210> 1624
 <211> 82
 <212> DNA

<213> Zea mays
 <400> 1624
 atcttctcca cgcaggacca cgcgcgcgcc gccatcgcgc gcgactcggc cgccgtgttc 60
 gcctggaagg gggagaccct cg 82

 <210> 1625
 <211> 139
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1625
 cctcactccc gttccatttc cccatctccc agatccaatt cgcgagttct ccctcctctg 60
 ccgccatggc gctctctgtg gagaagacct cgtctggacg ggagtacaag gtcaaggatc 120
 tctcgcangc ggacttcgg 139

 <210> 1626
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1626
 agcttggtgc caagctgacc aagctcacca agtctcaggc cgactacatc agcgtgccga 60
 tcgaggggtcc ctacaagcct gccactacc ggtactaggc acacggcttg cagctcactc 120
 gggccgttgt gtgctatgaa gttcgtaca ctggcctgtc agttatcttt tgcattgcata 180
 tgcattatca tatacgcagt cgcgtanagg ttttcttatg gttatcgctt gancngnnngn 240
 gggagggaag gagct 255

 <210> 1627
 <211> 224
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <400> 1627
 acacngtccg ngacgctggg nactgtncng agaacgcgtn ggcggacgcg tgggtttccc 60
 catatcccag atccanttcg cgagannctc cctcctangc ggccatgacg ctctctgtgg 120

agaagacctc gtctggacgg gagtacaagg tcaaggattc tcgcaggcgg acttcggccg 180
 cctcgagatt gagtgccnag tgaatncccg gcnntgggg gngc 224

<210> 1628
 <211> 113
 <212> DNA
 <213> Zea mays

<400> 1628

cccgttccat ttccccatct ccagatcca attcgcgagt tctccctcct ctgcgcgat 60
 ggcgtctctt gtggagaaga cctcgtctgg acgggagtag aaggtcaagg atc 113

<210> 1629
 <211> 182
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1629

tcctcgttcc atttccccat gctccnagat ccaattccgc gagtncctcc ctctactgc 60
 ggccatggcg ctactctgtg gagaagacct cgtctggacc gggagtacca aggtcaagga 120
 tctctacgca ggcggacttc ggccgntcga gattgagctg gccgaggtag aaatgcccg 180
 cc 182

<210> 1630
 <211> 107
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <400> 1630

ttccatttcc ccactccca gatccaattc gcgagttctc cctcctctgc ngccatggcg 60
 ctctctgtgg agaagacctc gtctggacgg gagtacaaag ttaaagg 107

<210> 1631
 <211> 283
 <212> DNA
 <213> Zea mays

<400> 1631

aaaatggctt ctcaggtccc tcacgttccg cctcgtgctg ctactgtcct ctcggcgaca 60
 gagctcatcg gaaatactcc tctcgttaga cttacaaga tccccagtc gctgggcatc 120
 gagtgcgatg tctacgtcaa gccagagctg ttcagcgctg gaggcagtgt taaggacaga 180
 attgctctgc gcatgattga agaggcagag aagagcggaa gaatcaagcc tggcgacact 240
 cttatcgagc ctaccagtgg aaacactggt atcgggtcttg ctc 283

<210> 1632

<211> 269

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1632

gngacgaggt gagggcgggg aggatgagct gctgctgccg cgtcgcgagg atggcgacgc 60
 cgcgaggggc gagagtggag tggatgatgcg ggtngccgtc gacgcgaanc gccagngtgg 120
 gtgtaggcgc tcggatgctt ttctaccoga cgctggtgta caacgtcgtg aggaatcggg 180
 tcgagaagca cttccactgg tgggatcaga tcgatgagca tgtcctgctc ggtgctgttc 240
 catccctagc gatgttctcc ggctaaaga 269

<210> 1633

<211> 125

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<400> 1633

tnctggacng attgtcacat ggatnacnga tcnnatgcat ggaaacacca tcaaggcccc 60
 ttgtggcctg aagacnccgt ccatttgacn ncatncnggc tgaagtnccg tncctncttc 120
 gatgt 125

<210> 1634

<211> 123

<212> DNA

<213> Zea mays

<400> 1634

gtgctgttcg caatgctgga ttaattgtca catggattac tgatcctatg catggaaaca 60

ccatcaaggc cccttgtggc ctgaagactc gtccattcga ctcaattctg gctgaagtgc 120
gcg 123

<210> 1635
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1635

cgcgctcgtn g ctcggaattc ggctcgagct tggtttgcct cttgtagctt gagacttgag 60
gagaatggat accttcctgt tcacttctga gtcgggtgaac gagggtcac cgcacaagct 120
gtgtgatcag atatctgatg cagtgtctga tgcctgcctg gagcaagacc ctgaaagcaa 180
ggttgcctgt gagacatgca ccaagaccaa cttgggtcatg gtatttggag agatcaccac 240
aaaagccaat atngactatg agaagattgt gcgcgatacg tgccgttcta taggatttgt 300
gtctggtgat gt 312

<210> 1636
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1636

agatcgtgcg tgacacctgc aggaacatcg gcttcgtctc aaacgatgtg ggacttgatg 60
ctgacaactg caaggctcct gtaaacattg agcagcagag ccctgatttg gccagggtgt 120
gcacggcaac ttaaccaaag acccgaggaa atcgggtgtg agaccagggt cactgtttgc 180
tatgcacgga cgagacccca gattgngcca tgagtcatgt ncttncaata aactcgggtgt 240
cgtctaccga gntcgcaaga cggnacttcc cnggttgggc tatggaanac cna 293

<210> 1637
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1637

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc aagacccaag tcaactgttga 60
gtactacaat gacaaggggtg ccatgggttcc aatccgcgtc cacactgtgc ncatctccac 120
acagcatgat gagncctgtc acaaatgatg ngattgcagc tganctnaaa gaacacgtga 180
ttaagcntgt gattccngng nagtaccttg nngagccgac cnntggccng tngaaccctc 240
tggcagggttn gncttgnagg ccgcgtgggg atgctgggnt caccggcc 288

<210> 1638
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1638

gngtacntaa gctcgggaatt cggctcgagn taaantcggg gctcgtctca ncgagggttcg 60
caagaacggg acctgccctt ggntgaggcc tgntgggaag anccaagtga ntgttncccta 120
ttanaatgac aatggtgccca gggntcctat ncgngtacac acngtgctaa tntccacnca 180
acacgangan ncntgtccnc cantgacgan attgctgntg ncctcaaaga gcatgtgntc 240
aagnctgtgn ngcnagataa gtaccttggt gnggagncca tttncnttgn nc 292

<210> 1639
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1639

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag ctgctgcata tggacacttt 60
ggaagagagg accctgactt cacatgggaa gtgatcaagc cactcaagtg ggaggaggcc 120
taaggccatt cattcctcac cgctgtgtgc tgggagtttt ttgagctttg cccttatcat 180
atctataatt tgtttcattt attttactta attcgtgtgt gcttctcact ttctctncct 240
cctctccatt ctattttggt tcttctatcc tcatatgtaa ttttt 285

<210> 1640
<211> 275
<212> DNA
<213> Glycine max

<400> 1640

cgcatgcacg cgtacgtaag ctccgaattc ggctcgagga agattgtgcg cgatacgtgc 60
cgttctatag gatttgtgtc tggatgatgtt ggccttgatg ctgacaatgc aaggatttgg 120
tgtaccttga gcagcaaagt cctgacatag cacaaggagt ccatggccac ctcaccaagc 180
gaccagaaga cataggagct ggcatcagg gtcacatgtt tggctacgcc acagatgaaa 240
cacctgagct tatgcctctc agccatgtcc ttgca 275

<210> 1641

<211> 317

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1641

ttcannantn gcatgcacgc gtacgtaagc tcngaattcn gctcganctc nagccgaatc 60
ggctcgagtg nagcttancc tcaagtagca tgagatcaan ccggtgatac cggacaanta 120
ncttgnntgn gaagnccatt ttccagttca acccctctgg ccgttttgtc attngaggtc 180
ctcaacngtg atgctcntct caccagccga caagatccat tcnnccgnta cttanggagg 240
cnggggtgct catngtggtg gtgccttctc cggaacgat cccaacaagg tttatangag 300
ttgtgttaca ntgtgag 317

<210> 1642

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1642

gtcgcangca cgcgtacgta agctcggat tcggctcgag ctctctacaa ttttttttta 60
atctttttga ttctgttctg gcttttttga ctctaaattg ggacgaaaag tcgagccttc 120
gaagaaacgc agaaactcat aaaccatcgc tgactccgca attttcgtcg gttcctcaca 180
cactctctga ttttaancnc gtgccaagct caccgaggtt cggaagaacg ggacatgccc 240
ttggctgaga cctgatggca agaccaagt cactgttg 278

<210> 1643

<211> 259
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1643

 gatctcaaga ggggtgggaa taacagggttc ttgaagactg ctgcatatgg acacttcggc 60
 agagaggacc ctgacttcac atgggaagtgt gtcaagcccc tcaagtggaa tgaatgggag 120
 ttttttagcg ttgcccttat aatgtctntt atccataact ttccacgtcc cttgctctgt 180
 gtttttctct cgtcgtcctc ctccatntt gtttctcng cctttcattt gtaatttttt 240
 acatgatcaa ctaaaaaat 259

<210> 1644
 <211> 191
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1644

 gcngcgtacg taagctcggn ntctggctcg aggagnattt tgacttcacg cctggaatga 60
 tntccatcaa tcttgaccnc atganaanga gggaaacttc aggtanccag aagactgntg 120
 cttatggaca ttttggaaga gatgatccgg atttcacatg ggagacagtg aagataactca 180
 agcctngtgc t 191

<210> 1645
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1645

 tcgcangcac gcgtacgtaa gctcggaatt cggctcgagg ttggtcttga tgctgacaac 60
 tgcaaagttc tgggtcaacat tgagcaacag agccctgata ttgctcaagg agttcacggt 120
 catatgacca agaaacctga ggaaattggt gctggtgacc aaggccacat gtttggttat 180
 gctacagacg aaacacctga gttaatgcca ctactcatg tgcttgctac taaacttntt 240
 gccaggctca ctgagggtgag aaagaacaaa acatgccctt ggctgaggcc agatggtaaa 300
 acccaagtga cattgag 317

<210> 1646
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1646

ttcgcangca cgcgtacgta agctcgggaat tcggctcgag ngnactcact ggaaggaaga 60
 tcattatcga cacctatggt ggttggggtg ctcatggtgg tggcgccttc tccggcaagg 120
 acccaaccaa ggttgatagg agtgggtgcat acattgttag gcaagcagcc aagagcgtgg 180
 tagcttcagg gcttgacgca cgttgcattg tgcaggtttc ttatgcaatt ggagttccag 240
 agccactttc tgtgtttgta gacacatacc aaacggggaa gattccagac aaggacatat 300
 tggctctaata taagga 316

<210> 1647
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1647

ntntggntat gtcgcangca cgcntacgta agctcgggna ttcggctcga ggaccagggt 60
 atcatgttcg gatattccac cgacgagacc cccgagctcc ttcctctgac cgtcctcctc 120
 tcccacaanc tgaactcggc catgaccaag gtcgcnagg attgtactct gccatggctg 180
 cgacccgaca ccaagactca ggtcactgtc gagtacgcc acgatggcgg tgccgtcgtc 240
 cctctccgtg ttgacaccgt cgtcgtctct gnccagcana ncgaggacat cactatcgag 300
 aagctccgag aggagatcaa ggagaagatc at 332

<210> 1648
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1648

gtcgcangca cncgtacgta agctcgggaat tcggctcgag nggtgtgcac ggccacctta 60

ccaaaagacc cgangnaata tcaggncctct gctgctcaag gtccttgtaa acattgagca 120
gcagagccct gatattgccc aggggtgtgca cggccacctt accaaaagac ccgaggaaat 180
cggtgctgga gaccagggtc acatgtttgg ctatgccact gtcgagaccc cagaattgat 240
gccattgagt catgttcttg caactaaact cggtgctcgt ctcaccgagg ttcgcaa 297

<210> 1649
<211> 348
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1649

gtctcnnnca cgcgtacgta agctcgagaa tcggctcgag ctngcagccn ggttactgtc 60
tgntnaagct anccatctct ntctctctnt cttaagnngn tccttngnna cannnatagaa 120
tggcctnaga aattncctat tcacnctnna tcagtgaacg ngnggcanc ctcacaggnn 180
ctgtgaccag atctccgatg ctgtgntcng attcatgctt ggagcaggac cctgagagca 240
aggttgccctg tgaagcctgc aacaagacca acatgggtgtt ggttttcgga gagatcacia 300
ccaaggccaa cgtggncctat ganaagattg tgcgggacac atgcaagg 348

<210> 1650
<211> 324
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1650

ntcgcgtgca gcgtacgtaa gctcggaaatt cggctcgagg cgagtgttct ttcttcgttt 60
caacaccttn ntttgcann c gntgcttctt ctcgcttgag anntggcaca agaaaccntt 120
ctatncacat ctgantctgt anacgaggggt caccgccggac aagctgtgcg nccagatctc 180
tgatggcagt gctcgatgcg tgcctgnacn ggaccctgag cagcgagggt gcctgtnaga 240
catgcaccaa gaccngnntg gncatggtct ttggngagat cagnanccaa ggncagcagt 300
aggctatgag aannttnnnc gtga 324

<210> 1651
<211> 318
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1651

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tcacangcac gcgtacgtaa gctcgggaatt cggctcgagg cagacttcac ctgggaagtt 60
gtgaagccac tcaagtcaga gaagcctcaa gcttaagagt gttgttaagt taatcactac 120
ccttcagtgg ntgtcttgct ggggtgtggat gaataatttg cgtgtttcat gactactact 180
actactactc cnttcnntgt ctaatgccat ctcatcnatn nctaaactgn tcgntttntt 240
tttnctccnt atactcncaa tttgttgttt ggcnatgnaa tgtcactgtg ttgatgcatg 300
gaattttatc caaangaa 318
```

<210> 1652

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1652

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ncgcntgcac gcgtacgtaa gctcgggaatt cngctcgagn ggctcgagcg cttgcctcga 60
acaggaccca gacagcaagg ttgcctgcga aacatgcacn aaaaccaact tggatcatggn 120
cttcggagaa atcacgacca aggccaatgt tgactacgag aagatagtgc gtgtacaccc 180
tgagcaatat cagggctctg ctgctcaatg ttgacgagga cttgcagtt gtcggcatcc 240
agtcccatat cgtttgagac aaagccgatg ttcccgaata tcttgttggt tggagcgatc 300
cgagaaaaac tc 312
```

<210> 1653

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1653

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tcgntncant aanagtcgna ngcacgcgta cgtnagctcg gaattcggct cnnnctgtaa 60
nccgaggggtc accccgacaa ncntgtgcga cnagatctct gatgcagtgc tcgatgcgtg 120
ccttgaacag gaccctgaca gcaaggttgc ctgtgagaca tgcaccaaga ccaacatggt 180
catggtcttt ggagagatca caaccagggc aangtanann ntgagaagan tgtccnggan 240
```

anangccgcg aaattggatt cnaccccgga nnanttgggt nnnnncnna aaantnnngg 300
 ntnggncaan nnttgnnncnc 320

<210> 1654
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1654

ggntnnnnnn aactnttacg ctctcaggtg cccgtcanag aattnacggg tcgagccacg 60
 cgtcagtacg gatgcgagaa gacgacagaa gggggcagcg cttgagacca agccccactc 120
 aaccaacaca acactctctc tgctcctcct ctaactttca aagtttttta agtnnttaga 180
 tggcagagac attcctaatt acctcaaagt cncтнаacga agganacctg acaagctctg 240
 cgaacaaatn tccgatgctg tncтnnaanc ctgccttgaa caagacccaa acagcaaagt 300
 tncctgccaa acatgccccа agaccaactt tgtcnangtc ctccgagaaa ttnccaccaa 360
 gggcaacntt nactacgana anatnntgcg ttacacctgc nggaacatcg ggttcntctc 420
 aaacgaagtt ggactttatg cctgacaaat gcaanggcc tnttaacaat ngncancaa 480
 aaccctgaaa ntnnccaagg gggttg 506

<210> 1655
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1655

ggnnnnnnnn nnnancttta actctccgcg ttcaggtaaa ggtttagaat tcccgggncg 60
 acccagcgt cnanccang cgtccgtacg gctgcgagag gangacagaa gggggcagcg 120
 cttgagacca agccccactc aaccaccaca ccactctctc tgctcntctt ctatctttca 180
 acgtttttna agtattaaga tggcataaac attcctatтt acttcatant cagtnaanga 240
 gggacacnct gacgtnctct gcgannanat ctngattct gtcctcnacn cntgccttna 300
 tnatgacnca cncancatcg ttgcttgnta natatacncc angaccaact tngtcntggт 360
 cttcggagag atnnccatna tggcnaacgt tgactancat gaagatcntg cntnacacct 420

gcaagaattc ggattcgtct caaaccatgt tggganttat gctgannntg naaggttcnt 480
 tgnaaacggt tgnccntttc a 501

<210> 1656
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1656

angggtgata ttntgtgtcn aaaggatatag tangtgntag attntcttcg gtttcggtat 60
 taccnacnng acccacgcgt cccgcccacg cgtccggctg cgataagacg acagaanggg 120
 atacctatgg tggctgggggt gngggatggg ggaagtgcct tttgggggaa ngaccctacc 180
 aaggttgaca gaagtgggtg ctatattgta aggcatgctg caaanagtgt ngtggcaaata 240
 ggccttgcta naagggtgcat tgtgcaagtt tcctatncca ttgggtgtccc tgaacccttg 300
 tcanatgttt ntngacactt atngaactgn naanattcna nacaanngag atttttctat 360
 anntatanga ataattttta nnttnananc tngnnnnngtn tnncataaan nttngtaant 420
 aaataagnnn naantntttt gttnnatttaa naaatnttan tnttnnttta natagnnaaa 480
 taatttttna agtnnatttn nngtnnnntt nnaaattatg tannatatnt ctt 533

<210> 1657
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1657

tacttgtttc ngaatnaccg gcnggaccca cgcgtccgta cggctgagag aagacgacag 60
 aaggggggtg ctgggggtgct catgggtggag atgnggggtc aggnaaagac nnnngggggg 120
 gttgacagaa ntgggtgccta tattgtaagg cangtgcaa agantgncgt ggcaaattggc 180
 cttgctagaa ngtgcattgt ncaagtttcc tatgcnattn gtgtncctaa nccntnntaa 240
 atgttnttng atncnnattg aanttnnaan tanttcattn ataangataa tttanataat 300
 taanaatnga ngaa 314

<210> 1658
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1658

gnnngggggg ngttttcggc cacgttgnac taggagactt cnttggaaacg cccnggangn 60
 ttcgggncga cccacgcgnc cggcnngccn canngaacca ccacacctct tntcgttttt 120
 gctaccccnt tctgcnctac ggggaccggg naagttttta nngggtaang atggcagaga 180
 caatnnnatt taccnnagag tcggtgaacg agggacaccc tgacaagcnn tgcgaccaaa 240
 tncccnatgc tgtcctcnac gcttgccctng agcaggaccc anacagcaaa gngtgncctgc 300
 tgaaacatgc accaaaaacca actnngncat gggcttgggg gaaatnacaa ccaaggncac 360
 ggcngactac gacaagatag nncagagaca cctgcangaa cntnnggacnt cgnntnaaat 420
 gaagtngnga nttggatgcc nnnaacttgc caagntccnn ngntaaccat tgtacaatna 480
 tgatccccgg ngagttggtc naggcntaca agggncacn ntntcnanaa ancnggantt 540
 attngnnntt tggtgnc 557

<210> 1659
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1659

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gnnactttcc tcttcacctc 60
 agaatctgta aacgaaggcc atccccgaaa gctgtgtgac caggtttcag atgccatcct 120
 agatgcatgc ttggagcaag acccagaaaag caagggttgc tgcgagacct gtacaaaaaac 180
 taacatggtt atggtctttg gtgagattac aaccaaggcc agcgtgaact acgagaaaaat 240
 agttcgagac acttgcaaaag gcattggggtt tgtgtcacca gatgt 285

<210> 1660
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 1660

cacgcgtacg taagctcgga attcggctcg agcttcctct tcgcacaaag cagcaagcat 60
 ccttgagatg gaaactttcc tcttcacctc agaatctgta aacgaaggcc atcccgacaa 120
 gctgtgtgac cagggtttcag atgccatcct agatgcatgc ttggagcaag acccagaaag 180
 caaggttgct tgcgagacct gtacaaaaac taacatgggt atgggtctttg gtgagattac 240
 aaccaaggcc agcgtgaact acgagaaaat agttcgagac acttgcaaag gcattggggt 300
 tgtg 304

<210> 1661
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1661

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ntccatcttc ttcttctctt 60
 cctcttcgca caaagcagca agnatccttg agatggaaac ttctctnctt cacctcagaa 120
 tctgtaaacg aaggccatcc cgacaagctg tgtgaccagg ttccagatgc catcctagat 180
 gcatgcttgg agcaagaccc agaaagcaag gttgcttgcg agacctgtac aaaaactaac 240
 atggttatgg tctttgggtga gattacaacc aaggccagcg tga 283

<210> 1662
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1662

gagctggtga ccagggtcac atgtttgggt atgccaccga tgaaaccccc gagtacatgc 60
 ccctcagcca tgtccttgca accaaacttg gtgctcgctt cacagagggt aggaagaatg 120
 gcacctgtgc ttggttgagg ccagatggta agacacaagt aaccgtcgag tactacaatg 180
 acaatggtgc catggttcca gttcgtgtcc aactgtcct aatttccacc caacatgatg 240
 agactgtgag caatgatcaa attgctgcgg accttaaaga gcatgttatt aagcctgtca 300
 ttcttgagaa gtaccttgat gagaagacca tcttcacact taacccttct ggccggtttg 360
 tcattggtgg ccctcatggt gatgctgggt tcaactgggaa gaaagatnat cattgatacc 420

taagggtggct ggggtgctca aggtgga

447

<210> 1663

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1663

ccacgcgtcc gcacaaagcg ggttactgtc tgttcaagct accatctctc tctctctttc 60
ttagngcctc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat 120
cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180
catgcttgga gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagaccaaca 240
tggtgatggg tttcggagag atcacaacca aggccaacgt ggactatgag aagattgtgc 300
gtgacacatg caggaacatt ggttttgtct ctgatgatgt tggtcttgat gctgacaact 360
gcaaggctct cgtcaacatt gagcaacaga gtcctgatat tgctcaagggt gtgcacggnc 420
acctnacaaa gaggcctgag gagattgggt ctggtgacca aggtcatatg ttcgg 475

<210> 1664

<211> 520

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1664

gnngnnnnnn agggagtnnt gntntggaan cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gagaagacga cagaaggggt 120
ctcaaattgat gtgggactgg atgccgacaa ctgcaaggct ctcgtaaca ttgagcagca 180
gagccctgat attgctcagg gtgtacacgg ccaccttacc aaaaaacctg aagaaattgg 240
tgctggtgac cagggtcaca tgtttggtta tgccactgat gaaacctctg aattgatgcc 300
attgagccat gttcttgcaa caaaactcgg tgctcgtctc accgaggttc gcaagaacgg 360
tacctgccct tggctgaggg ctgatgggaa gaccaagtg accgttgagt attacaatga 420
caatggtgcc agggttccta ttcgtgtaca caccgtgcta atctccaccc aacacgacga 480
gactgtcacc aatgacaaa ttgntgntta acctnaaaaa 520

<210> 1665
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1665

```

ggngnnnnga atgatctagg tnntctatgc cgagacatga cgnaagancc acnggtacgt   60
aaactcggaa ttcggtctga gaacagcaca aagcgggtta ctgtctgttc aagctaccat  120
ctctctctct ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc  180
tattcacatc tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg  240
atgctgtgct cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct  300
gcaccaagac caacatggtg atggttttcg gagagatnac aaccaaggcc aacgtggact  360
atgagaagat tgtgctgac acatgcagga acattggttt tgtctctgat gatgttggtc  420
ttgatgctga caactgcaag gtccctcgtca acattgagca acagagtcct gatattgctc  480
aaggtgtgca cngg                                                    494
  
```

<210> 1666
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1666

```

gnagtgtttg ntntgggggg ggggagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaagcgg gttactgtct  120
gttcaagcta ccactctctc ctctctttct tagtgccctc ttgccagaag ttaaaatggc  180
ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccttg acaagctctg  240
tgaccagatc tccgatgctg tgctcgatgc atgcttgagg caggaccctg acagcaaggt  300
tgccctgtgaa acctgcacca agaccaacat ggtgatgggt ttcgagaga tcacaaccaa  360
ggccaacgtg gactatgaga agattgtgcg tgacacatgc aggaacattg ggttttgtct  420
ctgatgatgt tgggtcttgat gctgacaact gcaaggtccc tcgtcaacat tgagcaacag  480
agtcctgata ttgctcaagg tg                                                    502
  
```


<210> 1667
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1667

gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcacctg 60
 acaagctctg tgaccagatn tccgatgctg tgctcgatgc atgcttggag caggacctga 120
 cagcaagggt gcctgtgaaa cctgnaccaa gaccaacatg gtgatgggtt tcggagagat 180
 cacaaccaag gccaacgtgg actatgagaa gattgtgcgt gacacatgca ggaacattgg 240
 ttttgtctct gatgatgttg gtcttgatgc tgacaactgc aagtcctcgt caacattgag 300
 caacagagtc ctgatattgc tcaagggtgtg cacggccact cacaagagg cctgaggaga 360
 ttggtgtggt na 372

<210> 1668
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1668

tgaatttang ttgcctgccc aagagaatga agtcgcanc cgcgtacgt aaactcggaa 60
 ttcggctcga ggtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat 120
 gctgtcctcg acgcttgcc tgcagaggac ccagacagca aagttgcctg cgaaacatgc 180
 accaaaacca acttgggtcat ggtcttcgga gaaatcacga ccaaggccaa cgttgactac 240
 gagaagatag tgcgtgacac ctgcaggaac atcggcttcg tctcaaata tgtgggactg 300
 gatgccgaca actgcaagggt cctccgtcaa cattgagcag cagagccctg atattgctca 360
 aggtgtacac gggcaactta ccaaaaaacc tgaagaaatt ngtgctggtg accaagggtca 420
 cattttgggt aatnccactg gntgnaaaacc ccngnattha tgncccattg accnagttct 480
 tnncaaa 487

<210> 1669
 <211> 419

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1669
 cgagcttgag cagacttaac aacagcacia agcgggttac tgtctgttca agctaccatc 60
 tctctctctc tttcttagtg cctccttgcc agaagttaaa atggcccaag aaactttcct 120
 attcacatct gaatcagtga acgaggggca ccctgacaag ctctgtgacc agatctccga 180
 tgctgtgctc gatgcatgct tggagcagga ccctgacagc aaggttgctt gtgaaacctg 240
 caccaagacc aacatgggtga tggttttcgg agagatcaca accaaggcca acgtggacta 300
 tgagaagatt gtgcgtgaca catgcaggaa cattgggttt gtctctgatg atgttgggtc 360
 ttgatgctga caactgcaag gtcctngtca acattgagca acagaatcct gatattgct 419

<210> 1670
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1670
 nccacgcgtc cgagcgagtg ttctttnttc gtttcaacac cttaatttgc acacgctggn 60
 tottcagcng gngaaatggc acangaaacc tttctattca catctgaatc tgnaaacgag 120
 ggtcaccocg acaagctgtg cgaccagatc tctgatgcag ngctcgatgc gtgccttgaa 180
 caggaccctg acagcaaggt tgctgtgag acatgcacca agaccaacat ggcatgggtc 240
 tttggagaga tcacaaccaa ggccaacgta gactatgaga agattgtccg tgacacatgc 300
 cgngaaattg gattcatctc tgatgatggt ggtcttgatg ctgacaaatg caaggngttg 360
 gtcaacattg aacancaaan ccctgatatc nccaggngn gcacggncac ttcaccaacc 420
 cccaaaagaa ggttnggctn ggnncca 447

<210> 1671
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1671

gggnaggctt ngtcnncgan gggggatgta atggnaacct ctagaagact atgacgtcgc 60
 atgcacgcgt acgtaagctc ggaattcggc tcgagcacca caccactctc tctgctcttc 120
 ttctaccttt naagnnttta aagtattaag atggcagaga cattcctatt tacctcagag 180
 tcagtgaacg agggacaccc tgacaagctc tgcgaccaa tctccgatgc tgtcctcgac 240
 gcttgcccttg aacaggaccc agacagcaag gttgcctgcg aaacatgcac caagaccaac 300
 ttggtcatgg tcttcggaga gatcaccacc aaggccaacg ttgactaccg aagaagatcc 360
 gtgctgaca cctgcaggaa catcggttc gtctcaaacg atgtgggact tgatgctgac 420
 aactgcaagg tccttgtaaa cattgagcag cagagccctg atattgcccc ggggtgtgcac 480
 ggncacctta ccaaaagacc cgaggaaatc ggtgctg 517

<210> 1672
 <211> 492
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1672

aactttaccc tccaggtngc ngtcaaagaa ttcacgggtc gacccacgcg tccgtacggc 60
 tgcgaagaag acgacagaag ggggcaccgc ttgagcagac ttaacaacag cacaaagcgg 120
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag 180
 ttaaaatggc ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg 240
 acaagctctg tgaccagatc tccgatgctg tgctcgggtc atgcttggag caggaccctg 300
 acagcaaggt tgctgtgaa acctgcacca agaccaacat ggtgatgggt ttcggagaga 360
 tcacaaccaa ggccaacgtg gactatgaga agattgtgcg tgacacatgc aggaacattg 420
 gttttgtctc tgatgatggt ggtcttgatg ctgacaactg caaaggctct cgtcaacatt 480
 gagcaacaaa at 492

<210> 1673
 <211> 503
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1673

gngntgnngc aactcnactn nccaggcctg gtcacagaat naacggggccg anncacgcgt 60
cnaagaccaa agccccactc aaacaacaca ccaatctctc tgctcctcct cnaactttca 120
agttttttaa gtnttaaaga tggcagagac attcctaatt nacctcagag tcagtgaacg 180
agggacaccc tgacaagctc tgcgaccaa tctccgatgc tgctcctcnac gcttgccttg 240
aacaggaccc agacagcaan gttgcctgcg aaacatgcac caagaccaac ttggatcatgg 300
tcttcggaga gatnaccanc aaggccaacg ttgactacga gaagatngtg cgtgacacct 360
gcangaacat cggcttcgtc tcaaacgatg tgggacttga tgctgacaac tgcaagggtcc 420
ttgtaaacad tgagcaacaa aaccctgata ttgcccgaag tgtncacggc caacttacca 480
aaaganccga aggaaatcng tgc 503

<210> 1674
<211> 508
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1674

ggncnnnnga ntgatttagg ttcctangcc acanaaatgn aactgacctc gncgcacgc 60
ntacgtaagc tcggaattcg gctcgagggtg gactatgaga agattgtgcg tgacacatgc 120
aggaacattg gttttgtctc tgatgatgtt ggtcttgatg ctgacaactg caagggtcctc 180
gtcaacattg agcaacagag tcttgatatt gctcaagggtg tgcacggcca cctcacaaag 240
aggcctgagg agattggtgc tggtgaccaa ggtcatatgt tcggctatgc cactgacgag 300
actcccagagc tcatgccctt gagccatgtc cttgccacga agctcgggtgc caagctcanc 360
gacggtccgg aaaaacngga aatgcccttg ggctgaaaac ctgatggcaa nnaccaagtc 420
actggtgnnn tactacaatt gacaagggtt ccatggttcc aatccgcgctc aaaactgttg 480
ctcatntcca anacagcaat gatngaga 508

<210> 1675
<211> 334
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1675

gccttttcag ggaaggaccc taccaagggtt gacagnagtg gtgcctatat tgtaaggcag 60
gctgcaaaga gtgtcgtggc aaatggcctt gctagaagggt gcattgtgca agtttcctat 120
gccattggtg tccctgagcc cttgtcagtg tttgtggaca cttatggaac tgggaagatt 180
cctgacaagg agattctgca aattgtgaag gagaatttcg acttcagacc tggaatgatc 240
accattaact tggaccttaa gaggggtggt cataggttcc tcaagacagc tgcttatgga 300
cactttggaa gggatgatgc agacttcacc tggg 334

<210> 1676
<211> 335
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1676

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggcaagggtg cctgtgaaac 60
ctgcaccaag accaacaatgg tgatgggtttt cggagagatc acaaccaagg ccaacgtgga 120
ctatganaag attgtgcgtg acacatgcag gaacattggt nttgtctctg atgatgttgg 180
tcttgatgct gacaactgca aggtcctcgt caacattgag caacagagtc ctgatattgc 240
tcaagggtgtg cacggccacc tcacaaagag gcctgnggag attggtgctg gtgaccaagg 300
tcatatgttc ggctatgcca ctgacgagac tcccg 335

<210> 1677
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1677

aaagatgcct gaggagattg gtgctggtga ccaagggtcat atgttcgggt atgccactga 60
cgagactccc gatctcatnn cttgagccat gtccttgcca cgaagctcgg ngccaagctc 120
accgaggttc gnaagaacgg gacatgccct tggctgagac ctgatggcaa gacccaagtc 180
actgttgagt actacaatga caagggtgcc atggttccaa tccgcgtcca cactgtgctc 240
atctccacac agcatgatga gccctgtcac aaatgatgag attgcagctg atcttaaaga 300
acacgtgant aagcctgtga ttcctgagaa gtacctt 337

<210> 1678
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1678

```
ccacgcgtcc gccacgcgt ccgcccacgc gtccggtgga cttgccagaa ggtgcattgt    60
gcaagtgtct tatgccattg gtgtgcctga gcctttgtct gtgtttgttg acacctatgg   120
cactgggaag atccatgata aggagattct caacattgtg aaggaaaact ttgatttcag   180
gcctggtatg atctccatca accttgatct caagaggggt ggaaataaca ggtttttgaa   240
gactgctgcc tatggacact ttggaagaga agaccctgac ttcacatggg aagtgggtcaa   300
accctcaag tgggagaagg cctaagtaat tcattccact gctctatgct ggaagttttt   360
tgagcgttgc cttataata tgtctaatat ccataacttt ccacgtctct tactctgtgt   420
gtttctctcc tnttntctta ttttggtg                                     448
```

<210> 1679
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1679

```
tgcangcgta cgtaagctcg gaattcggct cgagnctgct aagcagcatt gtggcaagtg    60
gacttgccag aaggtgcatt gtgcaagtgt cttatgccat tgggtgtgcct gagcctttgt   120
ctgtgtttgt tgacacctat ggcaactgga agatccatga taaggagatt ctcaacattg   180
tgaaggaaaa ctttgatttc aggcctggta tgatctccat caaccttgat ctcaagaggg   240
gtggaaataa caggtttttg aagactgctg cctatggaca ctttggaaga gaagaccctg   300
acttcacatg ggaagtgggtc aaaccctca antggg                                     336
```

<210> 1680
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1680

gnnnnnnnga atgattngnt tcntgccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cccactcaac caccacacca ctctctctgc 120
 tcttcttcta cctttcangt ttttacagta ttaagatggc agagacattc ctatttacct 180
 cagagtcagt gaacgaggga caccctgaca agctctgcga ccaaattctcc gatgctgtcc 240
 tcgacgcttg ccttgaacag gaccagaca gcaagggtgc ctgcgaaaca tgcaccaaga 300
 ccaacttggt catggctctt ggagagatca ccaccaaggc caacgttgac tacgagaaga 360
 tcgtgcgtga cacctgcagg aacatcggt tcgtctcaaa cgatgtggga cttgatgctg 420
 acaactgcaa ggtccttggt aacattgagc aacaaaaccc tgataattgc caaggggttg 480
 cacggccacc tta 493

<210> 1681
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1681

agtcgatgca cgcgtacgta agctcggaat tcnngctcgag ntgccgcgaa attggattca 60
 tctctgatga tgttggtctt gatgctgaca aatgcaagggt gttggtcaac attgagcaac 120
 agagcccgga tatcgcccag ggtgtgcacg gccacttcac caagcgccca gaggagggtg 180
 gtgctggtga ccagggtcac atgtttgggt atgccaccga tgaaaccccc gagtacatgc 240
 cctcagcca tgtccttgca accaaacttg gtgctcgctt cacagagggt aggaagaatg 300
 gcacctgtgc ttggttgagg ccagatggta agacacaagt 340

<210> 1682
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1682

cgtnagctcg gaattcggct cgagctgtga ccagatctcc gatgctgtgc tcgatgcatg 60
 cttggagcag gaccctgaca gcaaagggtt cctgtgaaac ctgcaccaag accaacaatg 120
 tgatgggttt cggagagatc acaaccaagg ccaacgtgga ctatgagaag attgtgcgtg 180

acacatgcag gaacattggt tttgtctctg atgaanttgg tcttgatgct gacaactgca 240
 aggtcctcgt caacattgag caacagagtc ctgatattgc tcaagggtgtg cacggccacc 300
 tcacaaagag gcctgag 317

<210> 1683
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 1683

gagaagacga cagaaggggg cagcgcttga gaccaagccc cactcaacca ccacaccact 60
 ctctctgctc ttcttctacc tttcaagttt ttaaagtatt aagatggcag agacattcct 120
 atttacctca gagtcagtga acgagggaca ccctgacaag ctctgcgacc aaatctccga 180
 tgctgtcctc gacgcttgcc ttgaacagga cccagacagc aaggttgccct gcgaaacatg 240
 caccaagacc aacttgggtca tggctcttcgg agagatcacc accaaggcca acgttgacta 300
 cgagaagatc gtgcgtgaca cctgcaggaa catcggcttc gtctcaaacg atgtgggact 360
 tgatgctgac aactgcaagg tccttggttaa cattgagcaa caaaag 406

<210> 1684
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1684

actccaccgc gncggtaccg ttntaagncc ccgggccgac aaacgcgtca gtccggctgc 60
 gagaagacga cagaaggggg accgcttgag cagacttaac aacagcacia agcggggttac 120
 tgtctgttca agctaccatc tctctctctc tttcttagtg ccttcttgcc agaagttaaa 180
 atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag 240
 ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcanga ccctgacagc 300
 aaggttgccct gtgaaacctg caccaagacc aacatgggtga tggttttcgg agagatnaca 360
 accaagggca acgtggacta tgagaagatt gtgcgtgaca catgcaagaa cattgggtttt 420
 gtctctgatg aagttgggtc tgatgctgac aactgcaang gtctcgttca acattgcagc 480

cancaagat

489

<210> 1685

<211> 506

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1685

gtggnnnnngg gnnaactttn accngccang ggccggtana gaattaacgg ctcganccac 60
gcgtcaagta cggtcgcnag aagacgacag aaggggatga aaccctgag tacatgcccc 120
tcagccatgt ccttgcaacc aaactcgggtg ctgcgctcac cgaggtagg aaaaatggta 180
cctgtgcttg gctgaggcca gatggcaaga cacaagtaac tggtgagtac tacaatgaca 240
atggtgccat ggttccagtt cgtgtccaca ctgtcctaata ttccacccaa catgttgaga 300
ctgtgagcaa tgaccaaatt gctgctgacc ttaaagaaca tggtatcaag cctgtcattc 360
ctgagaagtn cctggatgag aagaccatct tccaacctta aaccttctgg gcgtttttgn 420
cnnttggtgg gccccnangg tganncccg gcccanatgg gaaannaaag atttcccnt 480
ggaaacccan aggttgngn gggntc 506

<210> 1686

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1686

gagccaggc aagccccact caaccaccac acctctctc ggttcacgcc taccctttct 60
gctctttctt nacctttcaa gttttaaaag tataaagatg gcanagacat tcctatttac 120
ctcagagtcg gtgaacgagg gacacctga caagctctgc gaacaaatct ccgatgctgt 180
cctcgacgct tgctcgagc aggaccana cagcaaagtt gcctgcgaaa catgcaccaa 240
aaccaacttg gtcattggtct tcggagaaat cacgaccaag gccaacgttg actacgagaa 300
gatagtgcgt gacacctgca ggaacatcgg ctctgtctca aatgatgtgg gactgggatg 360
ccgacaactg caaggtctc gtcaacattg agcancagan ccctgatatt gccanggtg 420
tacacgg 427

<210> 1687
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1687

ggnaactctt cgcggccaaa ctcttacann nccaggtagh gntanangaa ttccccggctc 60
 gacccacgcg tnacgtacgg ctgcgagaag acgacagaag ggggcagcgc ttgagaccaa 120
 gccccactca accaccacac cactctctct gctcttcttc tacctttcaa gtttttaaag 180
 tattaagatg gcagagacat tcctatttac ctgagagtcg gtgaacgagg gacaccctga 240
 caagctctgc gaccaaactc ccgatgctgt cctcgacgct tgccttgaac aggacccaga 300
 cagcaagggtt gcctgcgaaa catgcaccaa gaccaacttg gtcattgtct tcggagagat 360
 caccaccaag gccaacgttg actacganga gatcgtgcgt gacacctgca ggaacatcgg 420
 cttcgtctca aacgatgtgg gacttgatgc tgacaactgc aaggtccttg taaacattga 480
 agcagcagag ccctgatatt gccc 504

<210> 1688
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1688

ncgnangcac gcgtacgtna gctcggaatt cggctcgagn ctgaatcngt gaacgagggg 60
 caccctganc aagctctgtg accagatctc cgatgctgtg ctgatgcat gcttgagca 120
 ggaccctgac agcaagggtg cctgtgaaac ctgcaccaag accaacaatg tgatggtttt 180
 cggagagatc acaaccaagg ccaacgtgga ctatgagaag attgtgcgtg acacatgcag 240
 gaacattggg tttgtctctg atgatgttgg tcttgatgct gacaactgca aggtcctent 300
 caacattgag caacagagtc ctg 323

<210> 1689
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1689

tcggctcgag ngaccatctt ccaccttaac ccttctggcc gttttgtcat tggaggccct 60
 catggtgatg ctggtctcac tggaagaaag atcatcattg atacctatgg tggctgggggt 120
 gctcatggtg gaggtgcctt ttcagggaag gaccctacca aggttgacag aagtgggtgcc 180
 tatattgtaa ggcaggctgc aaagagtgtc gtggcaaatg gccttgctag aaggtgcatt 240
 gtgcaagttt cctatgccat tgggtgccct gagcccttgt cagtgtttgt ggacac 296

<210> 1690
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 1690

gcacgcgtac gtaagctcgg aattcggctc gagtatgaga agattgtccg tgacacatgc 60
 cgcgaaaattg gattcatctc tgatgatgtt ggtcttgatg ctgacaaatg caaggtgttg 120
 gtcaacattg agcagcagag ccctgatatc gcccaggggtg tgcacgggtca cttaccaag 180
 cgcccagagg aggttgggtc tggtgaccag ggtcacatgt ttggctatgc cactgatgaa 240
 acccctgagt acatgccct cagccatgtc cttgcaacca aactcgggtc tcgcctcacc 300
 gag 303

<210> 1691
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1691

gncnatccaa agcgtacgta agctcggaat tcggctcgag ggaacatcgg cttcgtctca 60
 aatgatgtgg gactggatgc cgacaactgc aaggctcctg tcaacattga gcagcagagc 120
 cctgncattg ctcagggtgt acacggccac cttaccaaaa aacctgaaga aattgggtgct 180
 ggtgaccagg gtcacatgtt tggctatgcc actgatgaaa cccctgaatt gatgccattg 240
 agccatgttc ntgcaacaaa actcgggtgct cgtctcaccg aggttcgcaa gaacgggtacc 300
 tgcccttggc tgaggcctga tgggaagacc caagtg 336

<210> 1692
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1692

tcgcatgcnc gcgtacgtna gctcgggaatt cggctcgagg ttaaaatggc ccaaganact 60
 ttccatttca catctgaatc agtgaacgag gggcaccctg acaagctctg tgaccagatc 120
 tccgatgctg tgctcgatgc atgcttggag caggaccctg acagcaaggt tgcctgtgaa 180
 acctgcacca agaccaacat ggtgatgggtt ttcggagaga tcacaaccaa ggccaacgtg 240
 gactatgaga agattgtgcg tgacacatgc aggaacattg gttttgtctc tgatgatgtt 300
 ggtcttgatg ctga 314

<210> 1693
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1693

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag tcattatcga tacttatgga 60
 ggatgggggtg ctcatgggtg tgggtgctttc tccgggaagg accctaccaa ggttgatagg 120
 agtggtgctt acattgtgag acaggctgct aagagcattg tggcaagtgg acttgccaga 180
 aggtgcattg tgcaagtgtc ttatgccatt ggtgtgcctg agcctttgtc tgtgtttgtt 240
 gacacctatg gcaactgggaa gatccatgat aaggagattc tcaacattgt gaaggaaaac 300
 tttgatttca ggcttggtat a 321

<210> 1694
 <211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1694

gngnnnnagt ggntngtgna gtnnactnag nnaaatTTTg naccgggtccg gaattccccg 60
 gtcgaccac gcgtccgtac gagaagacga cagaaggggg cagcgcttga tttgaggcca 120

ggcaagcccc actcaaccac cacacctctc ctcgttcacg ctaccctttt ctgctcttct 180
 tctacctttc aagtttttaa agtataaaga tggcagagac attcctattt acctcagagt 240
 cggtgaacga gggacacctt gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg 300
 cttgcctcga gcaggacca gacagcaaag ttgcctgcga aacatgcacc aaaaccaact 360
 tggatcatggt cttcggagaa atcacgacca aggccaaactg tgactacgag aagatagtg 420
 gtgacacctg caggaacatc ggcttcgtct caaatgatgt gggactggat gccgacaact 480
 gcaaggtcct cgtcaacatt gagcagcaga ccct 514

<210> 1695
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1695

agagaccaag cccactcaa ccaccacacc actctctctg ctcttcttctn acctttcaag 60
 tttttaaagt attaagatgg cagagacatt cctatttacc tcagagtcag tgaacgaggg 120
 acaccctgac aagctctgag accaaatctc cgatgctgct ctcgacgctt gccttgaaca 180
 ggacccagac agcaagggtt cctgcgaaac atgcaccaag accaacttgg tcatggtctt 240
 cggagagatc accaccaagg ccaacgttga ctacnagaag atcgtgcgtg acacctgcag 300
 gaacatcggc ttctgtctcaa acgatgtggg acttgatgct gacaactgca aggtccttgg 360
 naacnttgag caacaaaanc cctgataatt gccaaagggtg gcaagggcaa ctttacaaaa 420
 agacccgang gaat 434

<210> 1696
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1696

ttcgctgcac gcntacgtna gctcggnaat tcggntcgag ngcntacatt gtgagacagg 60
 ctgctaagag cattgtggca agtggactag ccagaagggtg cattgtgcaa gtgtcttatg 120
 ccattggtgt gncocgagcc ttgtgtgtc ttgtgtgaca cctatggcac cgggaagatc 180

catgataagg agattctcaa cattgtgaag gagaactttg atttcaggcc cggtatgatc 240
tccatcaacc ttgatctcaa gaggggtggg aataacaggt tcttgaagac tgctgcatat 300
ggacacttcg gcagagagga ccctgact 328

<210> 1697
<211> 496
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1697

aactcttacg tngccaggnn ccggtanaga attaccgggg ncgacccacg cgtcngccca 60
cncgtccgcc cacgcgtccg acggctgcga gaagacgaca gaaggggggc agcgcttgag 120
accaagcccc actcaaccac cacaccactc tctctgctct tcttctacct ttcaagtttt 180
taaagtatta agatggcaga gacattccta ttacctcag agtcagtga cgaggacac 240
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgccct tgaacaggac 300
ccagacagca aggttgccctg cgaaacatgc accaagacca acttggtcat ggtcttcgga 360
gagatnacca ccaaggccaa cgttgactac gagaagatcg tgcgtgacac ctgcaggaac 420
atcggcttcg tctcaaacga tgtgggactg atgctgacaa ctgcaaagtc cttgttaaca 480
atgaacanca aanccc 496

<210> 1698
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1698

cgcatgcacg cgtacgtnag ctcggaattc ggctcgaggg agtggtgcct acattgtgag 60
gcaagctgca aagagcattg ttgcaaattg acttgctagg agggcaattg tgcaagtttc 120
ctatgccatt ggtgtgcctg agcccttgct tgtgtttggt gacacttatg gcactgggaa 180
gatccctgac aaggaaatcc tcagcattgt gaaggagagt tttgacttca ggccctggcat 240
gatctccatc aaccttgatc tcaagagggg tggaaatggc aggttcttga agactgctgc 300

<210> 1699
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1699

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acntnctgca cgcgtacgta agctcggaaat tcggctcgag gtcattggtct ttggagagat 60
cacaaccaag gccaacgtag actatgagaa gattgtccgt gacacatgcc gcgaaattgg 120
attcatctct gatgatgttg gtcttgatgc tgacaaatgc aagggtgttg tcaacattga 180
gcagcagagc cctgatatcg ccaggggtgt gcacggtcac ttcaccaagc gccagagga 240
ggttggtgct ggtgaccagg gtcacatgtt tggctatgcc actgatgaaa cccctgagta 300
cat 303
```

<210> 1700
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1700

```
ncgcnnngcac gcntacgtna gctcggaaatt cggctcgacg caccaagacc aacatggtga 60
tggttttcgg agagatcaca accaaggcca acgtggacta tgagaagatt gtgcgtgaca 120
catgcaggaa cattggtntt gtctctgatg atgttggtct tgatgctgac aactgcaagg 180
tcctcgtcaa cattgagcna cagagtcctg atattgctca aggtgtgcac gnccacctca 240
caaagaggcc tgaggagatt ggtgctggtg accaaggcca tatgttcggc tatgccactg 300
acgagactcc c 311
```

<210> 1701
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1701

```
gagtaacaac agcacaaagc gggttactgt ctgttcaagc taccatctct ctctctcttt 60
cttagtgcct ccttgccaga agttaaaatg gcccaagaaa ctttcctatt cacatctgaa 120
```

tcagtgaacg aggggacccc tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat	180
gcatgcttgg agcaggacccc tgacagcaag gttgcctgtg aaacctgcac caagaccaac	240
atggtgatgg ttttcggaga gatcacaacc aaggccaacg tggactatga gaagattgtg	300
cgtgacacat gcaggaacat tggttttgtc ccgatgatgt ttggtcctga tgctgacaac	360
tgcaangtcc cccgtcaaca atgagcaaca nagtccctga aaattgcnc a ngnngttgna	420
cgggc	425

<210> 1702
 <211> 321
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1702

tgcnccgcta cgtaagctcg gnatttnggc tcgaagcatt gtggcaagtg gactagccag	60
aaggtgcatt gtgcaagtnt cttatgccat tgggtgtgccc gagcctttgt ctgtctttnt	120
tgacacctat ggcaccgggn agatccatga taaggagatt ctcnacattg tgaaggagaa	180
ctttgatttc agggccggta tgatctccat caaccttgat ctcaagaggg gtgggnataa	240
caggttcttg aagactgctg catatggnc a cttcggcaga gaggaccctg acttcacatg	300
ggaagtggtc nagcccctca a	321

<210> 1703
 <211> 311
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1703

tcgcangcac gcntacgtaa gctcggaaatt cggctcgagc ggctcgaggt agactatgag	60
aagattgtcc gtgacacatg ccgcgaaatt ggattcatct ctgatgatgt tggctcttgat	120
gctgacaaat gcaagggtgtt ggtcaacatt gagcagcaga gccctgatat cgcccagggt	180
gtgcacggtc acttcaccaa gcgcccagag gaggttggtg ctggtgacca gggtcacatg	240
tttggtatg ccaactgatga aaccctgag tacatgcccc tcagccatgt ccttgcgccc	300
aaactcggtg n	311

<210> 1704
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1704

ttaacttgcn cgcgccaggt ancggtcaag gaattcccgg gtcgaccac gcgtccgacg 60
 gctgcgagaa gacgacagaa gggggcagcg cttganacca agccccactc aaccaccaca 120
 ccactctctc tgctcttctt ctacctttca agtttttaaa gtantaagat ggcagagaca 180
 ttcctattta cctcanagtc agtgaacgag ggacaccctg acaagctctg cgaccaaadc 240
 tccgatgctg tcctcgacgc ttgccttgaa caggaccacg acagcaaggt tgcttgcgaa 300
 acatgcacca ngaccanctt ggtcatgggt cttcggagag atcaccacca aggccaacgt 360
 tgactacgag aagatcgtgc gtgacacctg caggaacatc ggcttcgtct caaacgatgt 420
 gggacttgat gctgacaact gcaaggctct tgtaaacatt gagcagcaga gcc 473

<210> 1705
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 1705

gcacgcgtac gtaagctcgg aattcggctc gagcaagtaa ctgttgagta ctacaatgac 60
 aatggtgcc a tggttccagt tcgtgtccac actgtcctaa tttccacca acatgatgat 120
 tctgtgagca atgaccaa at tgctgctgac cttaaagagc atgttatcaa gctgtgcatt 180
 cctgagaagt acctggatga gaagaccatc ttccaacctt aacccttctg gccgttttgt 240
 cattggtggc cctcatggtg atgctggtct cactggaaga aagatcatca ttgataccta 300
 tgggtgggtgg ggtgctcat 319

<210> 1706
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1706

gnnnnnnaan tctacgccgc cctctaacg ngcacaanat tncgggaac gaccacgcg 60
 nccgtacggc tgcgaagaag acgacagaag ggggcagcgc ttgagancaa nccccactca 120
 accaccacac cactctctct gctcttcttc nanttttaa gtttttaaag tattaagatg 180
 gcagagacat tcctatttac ctacagagtca gtgaacgagg gacaccctga caagctctgc 240
 gaccaaactct ccgatgctgt cctcgacgct tgcctttaaa cangacccaa gacagcaaag 300
 ttgcctgcga aacatgcacc aagaccaact tggatcatggt ctccggagag atnaccacca 360
 agggcaacgt tgactacgag aagatcgtgc gtgacacctg caggaacatc ggcttcgtct 420
 caaacgatgt gggacttgat gctgacaact gcaangtcct tgtaaacatt gagcaacaaa 480
 accctganaa tncccaaggt ttcaccg 507

<210> 1707
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 1707

ccttttcagg gaaggaccct accaagggtg acagaagtgg tgcctatatt gtaaggcagg 60
 ctgcaaagag tgcgtggca aatggccttg ctagaagggtg cattgtgcaa gtttcctatg 120
 ccattggtgt ccctgagccc ttgtcagtgt ttgtggacac ttatggaact gggaagattc 180
 ctgacaagga gattctgcaa attgtgaagg agaatttcga ctccagacct ggaatgatca 240
 ccattaactt ggaccttaag aggggtgggtc atagggttcct caagacagtg cttatggaca 300
 ctttgaagg gatgatgcag ctccactggg aagtgtgaac cactcaagtc a 351

<210> 1708
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1708

ggngnnnnng gnnnnnnngn naacttttac gccngtccgt gccggtcana gaattcacgg 60
 gncgacncac gcgtccnccc acgcgtccgc ccacgcgtcc gccacgcgt ccgctgcgag 120
 aagacgacag aagggggcag cgcttgagac caagccccac tcaaccacca caccactctc 180
 tctgctcttc ttctaccttt caagttttta aagtattaag atggcagaga cattcctatt 240

tacctcagag tcagtgaacg agggacaccc tgacaagctc tgcgaccaa tctccgatgc 300
 tgtcctcgac gcttgccttg aacaggaccc agacagcaag gttgcctgcg aaacatgcac 360
 caagaccaac ttgggtcatgg tcttcggaga gatcaccacc aaggccaacg ttgactacga 420
 gaagatcgtg cgtgacacct gcaggaacat cggcttcgtc tcaaacgatg tgggacttga 480
 tgctgacaac tgcaagggtcc ttgtnaaca 509

<210> 1709
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 1709
 gagacaggct gctaagagca ttgtggcaag tggacttgcc agaagggtgca ttgtgcaagt 60
 gtcttatgcc attggtgtgc ctgagccttt gtctgtgttt gttgacacct atggcactgg 120
 gaagatccat gataaggaga ttctcaacat tgtgaaggaa aactttgatt tcaggcctgg 180
 tatgatctcc atcaaccttg atctcaagag ggggtggaaat aacagggtttt tgaagactgc 240
 tgcctatgga cactttggaa gagaaga 267

<210> 1710
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1710

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggcagcaga gccctgatat 60
 cgcccagggt gtgcacggtc acttcaccaa gcgcccagag gaggttggtg ctggtgaccn 120
 cggtcacatg tttggctatg cactgatga aaccctgag tacatgcccc tcagccatgt 180
 ccttgaacc aaactcgggtg ctcgcctcac cgagggttagg aaaaatggta cctgtgcttg 240
 gctgaggcca gatggcaaga cacaagtaac tgttgagtac tacaatgaca atggtgccat 300
 ggttccagtt cgtgtccaca 320

<210> 1711
 <211> 330
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1711

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nnnaaaannt gacntcgcan gcacgcgtac gtaagctcgg aattcggctc gagggactgg 60
atgccgacaa ctgcaaggtc ctcgtcaaca ttgagcagca gagccctgat attgctcagg 120
gtgtacacgg ccaccttacc aaaaaacctg aagaaattgg tgctgggtgac cagggtcaca 180
tgtttggtcta tgccactgat gaaaccctg aattgatgcc attgagccat gttcttgcaa 240
caaaactcgg tgctcgtctc accgagggttc gcaagaacgg tacctgccct tggctgaggc 300
ctgatgggaa gaccaagtg accgttgagt 330
```

<210> 1712

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1712

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agtngcangc acgcgtacgt aagctcggaa ttcggctcga gtgcaagttt cctatgccat 60
tggtgtgcct gagcccttgt ctgtgtttgt tgacacttat ggcactggga agatccctga 120
caaggaaatc ctcagcattg tgaaggagag ttttgacttc aggcctggca tgatctccat 180
caaccttgat ctcaagaggg gtggaaatgg caggttcttg aagactgctg catatggaca 240
ctttggcaga gatgaccctg acttcacatg ggaagtgggtg aagccactca agggggagaa 300
ggtacctgct tac 313
```

<210> 1713

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1713

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gttaactttc ccgcgccngg tcangaataa acgggtcgan ccacgcgtcc gacggatgcg 60
agaagacgac agaagggggc agcgcttgat ttgaggccag gcaagcccca ctcaaccacc 120
acacctctcc tcgttcacgc tacccttttc tgctcttctt ctacctttca agttttaaaa 180
gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag ggacaccctg 240
```

acaagctctg cgaccaaata tccgatgctg tcctcgacgc ttgcctcgag caggacccag 300
acagcaaagt tgcctgcgaa acatgcacca aaaccaactt ggtcatgggc ttcggagaaa 360
tcacgaccaa ggccaacggt gactacgaga agatagtgcg tgacacctgc angaacatcg 420
gcttcgtctc aaatgatgtg ggactggatg ccgacaactg caaggctcctc gtcaacattg 480
agcaac 486

<210> 1714
<211> 474
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1714

aactttacgc tgccangtnc cggtcnaga attnacgggg ccgacccacg cgtccntacg 60
gctgcgagaa gacgacagaa gggggcagcg cttgagacca agccccactc aaccaccaca 120
ccactctctc tgctcttctt ctacctttca agttttttaa gtattaagat ggcagagaca 180
ttcctattta cctcagagtc agtgaacgag ggacacctg acaagctctg cgaccaaata 240
tccgatgctg tcctcgacgc ttgccttgaa caggacccag acagcaaggt tgcctgcgaa 300
acatgcacca agaccaactt ggtcatgggc ttcggagaga tcaccaccaa ggccaacggt 360
gactacgana agatcgtagc tgacacctgc aggaacatcg gcttcgtctc aaacgatgtg 420
ggacttgatg ctgacaactg caaaggctcct ttgtaaacat tgagcaacan agnc 474

<210> 1715
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1715

gtcgcangca cgcgtacgta agctcgggaa ttcgggctcg agcaacagca caaagcgggt 60
tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcacctgac 180
aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca ggacctgac 240
agcaagggtg cctgtgaaac ctgcaccaag accaacaatg tgatgggttt cggagagatc 300

acaaccaagg ccaacgtgga ctatgagaag attgtgcgtg acacatgcag gaacattggg 360
 tttgtctctg atgatgttgg tc 382

<210> 1716
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1716

nntcgcangc acgcgtacgt aagctcggaa ttcggctcga gggcaccctg nacaagctct 60
 gtgaccagat ctccgatgct gtgctcgatg catgcttga gcaggaccct gacagcaagg 120
 ttgcctgtga aacctgcacc aagaccaaca tggatgatggg tttcggagag atcacaacca 180
 aggccaacgt ggactatgag aagattgtgc gtgacacatg caggaacatt ggttttgtct 240
 ctgatgatgt tggctctgat gctgacaact gcaaggctct cgtcaacatt gagcaacaga 300
 gtcctgat 308

<210> 1717
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1717

gtcnnangca cgcgtacgta agctcggaa ttcggctcga ccagatctcc gatgctgtgc 60
 tcgatgcatg cttggagcag gacctgaca gcaagggtgc ctgtgaaacc tgcaccaaga 120
 ccaacatggg gatgggtttc ggagagnnca caaccaaggc caacgtggac tatgagaaga 180
 ttgtgcgtga cacatgcagg aacattgggt ttgtcnctga tgatgttggg cttgatgctg 240
 acaactgcaa ggtcctcgtc aacattgagc aacagagtcc tgatattgct caagggtgtgc 300
 cggccacctc ac 312

<210> 1718
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1718

gtcgcangca cgcgtacgta agctcgggaa ttcggctcga ggcgctggtg accaggggtca 60
catgtttggc tatgccactg atgaaacccc agaattcatg ccattgagtc atgttcttgc 120
aaccaagctc ggtgctcgtc tcaccgaggt tcgcaagaac ggaacctgcc catggctgag 180
gcctgatggg aagaccaag tgactgtgga gtattacaat gataatggtg ccaggggtcc 240
agttcgtggt cacaccgtgc taatctccac ccagcatgat gagactgtca ccaacgacga 300
aattgcggct gacct 315

<210> 1719

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1719

ggaattcggc tcgagctggt gagtactaca atgacaatgg tgccatggtt ccagttcgtg 60
tccacactgt cctaatttcc acacaacatn anaaggngt gagcaatgac caaattgctg 120
ctgaccttaa agagcatggt atcaagcctg tnantcctga gaagtacctg gatgagaaga 180
ccatcttcna ccttaaccct tctggccgtt ttgtcattgg tggccctcat ggtgatgctg 240
gtctcatgga agaaagatca tcattgatac ctatgggtggg tggggtgctc atgggtggagg 300
tgcttttcag gg 312

<210> 1720

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1720

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ctcgagccga aactttccta 60
ttcacatctg aatcagtga cagaggggcac cctgacaagc tctgtgacca gatctccgat 120
gctgtgctcg atgcatgctt ggagcaggac cctgacagca aggttgacctg tgaaacctgc 180
accaagacca acatggtgat ggttttcgga gagatcacia ccaaggccaa cgtggactat 240
gagaagattg tgcgtgacac atgcaggaca ttggttttgt ctctgatgat gttgggtctg 300

atgctgacaa t 311

<210> 1721

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1721

gtcgcangca cgcnnncgtn nagctcggaa ttccggctcga gnacgagggn gcaccctgac 60
angctctgtg accagatctc cnatgctgtg ctccgatgcat gcttggagca ggaccctgac 120
agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg tgatgggtttt cggagagatc 180
acaaccaagg ccaacgtgga ctatgagaag attgtgcgtg acacatgcag gaacattggt 240
cttgtctctn atgatgttgg tcttgatgct gacaactgca agtcctcgtc aacantgagc 300
nacagagtcc tgatattnnt ccaggng 327

<210> 1722

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1722

gtcgcngcac gcgtacgtaa gctcgggaatt cggctcgcgc aggaccctga cagcaagggtt 60
gcctgtgaga catgcaccaa gaccaacatg gtcatgggtct tcggagagat cacaaccaag 120
gccaacgtag actatgaaaa gattgtccgc gacacatgcc gcgaaattgg attcatctct 180
gatgatgttg gtcttgatgc tgacaaatgc aagggtgttg tcaacattga gcaacagagc 240
ccggatatcg ccaggggtgt gcacggccat tcaccaagcg ccagaggag gttgggtgccg 300
gtgaccag 308

<210> 1723

<211> 290

<212> DNA

<213> Glycine max

<400> 1723

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttctatttca catctgaatc 60

.agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
 atgcttggag caggaccctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180
 ggtgatgggtt ttcggagaga tcacaaccaa ggccaacgtg gactatgaga agattgtgcg 240
 tgacacatgc aggaacattg gtttgtctct gatgatgttg gtcctgatgc 290

<210> 1724
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1724

tngcatgcac gcgtacgtaa gctcgggaatt cggctcgagc aggaccacaga cagcaagggtt 60
 gcctgcgaac atgcaccaag accaacttgg tcatgggtctt cggagagatc accaccaagg 120
 ccaacgttga ctacgagaag atcgtgctg acacctgcag gaacatcggc ttcgtctcaa 180
 acgatgtggg acttgatgct gacaactgca aggtcccttg aaacattgag cagcagagcc 240
 ctgatattgc ccaggggtgtg cacggccacc ttacaaaag acccgaggaa atcggtgctg 300
 gagaccaggg tcacatgttt ggcta 325

<210> 1725
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1725

ggnnnnnnnn nttnnnnngc ccttttacgc gccaaaggtag cggtcaagga attcccggnt 60
 cgaccacgc gtengacggc tgcgagaaga cgacagaagg gggcagcgct tgagaccaag 120
 cccactcaa ccaccacacc actctctctg ctcttcttct acctttcaag tttttaaaagt 180
 attaagatgg cagagacatt cctatttacc tcagagtcag tgaacgaggg acacctgac 240
 aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gccttgaaca ggaccagac 300
 agcaagggtt cctgcgaaac atgcaccaag accaacttgg tcatgggtctt cggagagatc 360
 accaccaagg ccaacgttga ctacgagaag atcgtgctg acacctgcag gaacatcggc 420
 ttcgtctcaa acgatgtggg acttgatgct gacaactgca aggtcccttg taaacattga 480

nncagc

486

<210> 1726

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1726

cangcacncg tacgtnagct cggaattcgg ctcgagngca cggccacctc acaaagaggc 60

ctgaggagat tgggtgctggt gaccaagggtc atatgttcgg ctatgccact gacgagactc 120

ccgagctcat gcccttgagc catgtccttg ccacgaagct cggtgccaag ctcaccgagg 180

ttcgggaaga cgggacatgc ccttggtctga gacctgatgg caagacccaa gtcactgttg 240

agtactacaa tgacaagggt gccatggttc caatccgcgt ccacactgtg ctcatctcca 300

cacagcat 308

<210> 1727

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1727

cgctcgcatgc acgcgtacgt aagctcggaa ttcgggtcga gttttcggag agatcacaac 60

caaggccaac gtggactatg agaagattgt gcgtgacaca tgcaggaaca ttggttttgt 120

ctctgatgat gttgggtcttg atgctgacaa ctgcaagggtc ctcgtaaca ttgagcaaca 180

gagtcctgat attgctcaag gtgtgcacgg ccacctcaca aanaggcctg aggagattgg 240

tgctggtgac caaggtcata tggtcggcta tgccactgac gagactcccg agctcatgcc 300

cttgagc 307

<210> 1728

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1728

acgtcgcang cacgcgtacg taagctcgga attcggctcg agnaggctgc taagagcatt 60

gtngcaagtg gacttgccag aaggtgcatt gtgcaagtnt cttatgccat tgggtgtgcct 120
gagcctttgt ctgtgtttgt tgacacctat ggcactgna agatccatga taaggagatt 180
ctcaacattg tgaaggaaaa ctttgatttc aggcctggta tgatctccat caaccttgat 240
ctcaagaggg gtggaaataa caggtttttg aagactgctg cctatggaca ctttgaaga 300
gaagacctga ctt 313

<210> 1729
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1729

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gatggtcttc ggagagatca 60
caaccaaggc caacgtagac tatgaaaaga ttgtnccgcg acacatgccg cgaaattgga 120
ttcatctctg atgatgttgg tcttgatgct gacaaatgca aggtgttggc caacattgag 180
caacagagcc cggatatcgc ccagggtgtg cacggccact tgcaccaagc gccagagga 240
ggttggtgct ggtgaccagg gtcacatgtt tgggtatgcc accgatgaaa cccccgagta 300
catgcccctc agccatgtcc 320

<210> 1730
<211> 361
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1730

gttaggttct gcacgctctg cttccagcga gtgttctttc ttcgtttcaa caccttaatt 60
tgcatnacgc tgctttcttn ngacntgagg aatgggcaca agaaaccttt tctattcaca 120
tctgaatctg taaacgaggg ttcaccccga caagctgtgc gaccagatct ctgatgcagt 180
gctcgatgcg tgccttgaac aggaccctga cagcaagggt gcctgtgaga catgcaccaa 240
gaccaacatg gtcatggtct ttgggagaga tcacaaccaa ggccaacgta gactatgaga 300
agattgtccg tgacacatgc cgcgaaattg gattcatctc tgatgatgtt ggtcttgatg 360
c 361

<210> 1731
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1731

gtcgcacatgca cgcgtacgta agctcgggaa ttcggctcga gtgcatgctt gggagcagga 60
 ccctgacagc aaggtttgcct gtgaaacctg caccaagacc aacatgggtga tggttttcgg 120
 agtcnatcac aaccaaggcc aacgtggact atgagaagat tgtgcgtgac acatgcacga 180
 acattggttt tgtctctgat gatgttggtc ttgatgctgn caactgcaag gtcctcgtca 240
 acattgagca acagagtcct gatattgctc aaggtgtgca cggccacctc acaaagaggc 300
 ctgaggagat tgggtgctggt gaccaan 327

<210> 1732
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1732

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gtaggagggc aattgtgcaa 60
 gtttctatg ccattgggtgt gcctgagccc ttgtctgtgt ttgttgacac ttatggcact 120
 ggaagatcc ctgacaagga aatcctcagc attgtgaagg agagttttga cttcaggcct 180
 ggcatgatct ccatcaacct tgatctcaag aggggtggaa atggcaggtt cttgaagact 240
 gctgcatatg ggacactttg gcagagatga ncctgacttc acatgggaag tggatgaagcc 300
 act 303

<210> 1733
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1733

ngtcgcangc acgcgtacgt aagctcggaa ttcggctcga gattgatacc tatgggtgggt 60

ggggtgctca tgggtggaggt gccttttcag ggaaggaccc taaccaaggt tgacagaagt 120
 ggtgcctata tcgtgaggca ggctgcaaag agtgttgtgg caaatggcct tgccagaagg 180
 tgcatgtgcc aagtttccta tgccattgggt gtccctgagc cttgtcagt gtttgtggac 240
 acttatggaa ctgggaagat tcctgacaag gagattcttc aaattgtgaa ggagaatttc 300
 gacttcagac ctggaatgat c 321

<210> 1734
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1734

gtcgcnnnga cgcgtacgta agctcggaat tcggctcgag ggacgagacc ccagaattga 60
 tgccattgag tcatgttctt gcaactaaac tcggtgctcg tctcaccgag gttcgcaaga 120
 acggaacctg cccatggttg aggcctgatg ggaagacca agtgactgtt gagtattaca 180
 atgacaacgg tgccatgggt ccagttcgtg tccacactgt gcttatctcc acccaacatg 240
 atgagactgt gaccaacgac gaaattgcag ctgacctcaa ggagcatgtg atcaagccgg 300
 tgatcccga 310

<210> 1735
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1735

ngtcgcatgc acgcgtacgt aagctcgga ttcggctcga gtggatcatgg tctttggaga 60
 gatcacaacc aaggccaacg tagactntga gaagattgtc cgtgacacat gccgcgaaat 120
 tggattcatc tctgatgatg ttggtcttga tgctgacaaa tgcaagggtg ttgtcaacat 180
 tgagcagcag agccctgata tcgcccaggg tgtgcacggt cacttcacca agcgcgccaga 240
 ggagggttgg gctggtgacc agggtcacat gtttggctat gccactga 288

<210> 1736
 <211> 299
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1736

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gtcgcangca cgcgtacgtn agctcggntt tcggctcgag ntcagtgaac gaggggcacc 60
ctgacaagct ctgngaccag atctccgatg ctgtgctcga tgcattgcttg gagcaggacc 120
ctgacagcaa ggttgccctgt naaacctgca ccaagaccaa catggtgatg gttttcggag 180
agatcacaac caaggccaac gtggactatg agaagattgt gcgtgacaca tgcaggaaca 240
ttgggtttgt ctctgatgat gttggctctt atgctgacaa ctgcaagggtc ctcnncaan 299
```

<210> 1737

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1737

```
ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggctgtcat tcctgagaag 60
taccttgatg agaagaccat cttccacctt aacccttctg gccgttttgt cattgggtggc 120
cctcatggtg atgctgggtct cactggaaga aagatcatca ttgataccta tgggtggctgg 180
gggtgctcatg gtggagggtgc cttttcaggg aaggacccta ccaagggttga cagaagtggc 240
gcctatattg taaggcaggc tgcaaagagt gtcgtggcaa atggccttgc tagaagggtgc 300
ttgtgcaagt ttccctatgc catggtgc 328
```

<210> 1738

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1738

```
tcncgcgtac gtnagctcgg aattcggctc gagaccaaga ccaacatggt gatgggtttc 60
ggagagatca caaccaaagg caacgtggac tatgagaaga ttgtgcgtga cacatgcagg 120
aacattggtt ttgtctctga tgatgttggc cttgatgctg acaactgcaa ggtcctcgtc 180
aacattgagc aacagagtcc tgatattgct caagggtgtgc acggccacct tcacaaagag 240
gcctgaggag attggtgctg gtgaccaagg tcatatgttc ggctatgccc actgacgaga 300
```

ctccccgagct cagcc

315

<210> 1739

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1739

cccngcacgc gtacgtaagc tcggaattcg gctcgagcga tacttatgga ggatgggggtg 60

ctcatgggtgg tgggtgctttc tccgggaagg accctaccaa ggttgatagg agtgggtgctt 120

acattgtgag acaggctgct aagagcattg tggcaagtgg acttgccaga aggtgcattg 180

tgcaagtgtc ttatgccatt ggtgtgcctg agcctttgtc tgtgtttgtt gacacctatg 240

gcactgggaa gatccatgat aaggagattc tcaacattgt gaaggaaaac tttgattcag 300

gcc 303

<210> 1740

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1740

tctntgnanc gtagtaagct cggaattcgg ctcgagctga tattgcccag ggtgtgcacg 60

gccaccttac caaaagaccc gaggaatcg gtgctggaga ccagggtcac atgtttggct 120

atgccacgga cgagacccca gaattgatgc cattgagtc tgttcttgca actaaaactcg 180

gtgctcgtct caccgagggt cgcaagaacg gaacctgccc atgggtgagg cctgatggga 240

agacccaagt gactgttgag tattacaatg acaacggtgc catggttcca gttcgtgtc 299

<210> 1741

<211> 263

<212> DNA

<213> Glycine max

<400> 1741

cattgagcaa cagagtcctg atattgctca aggtgtgcac ggccacctca caaagaggcc 60

tgaggagatt ggtgctggtg accaaggtca tatgttcggc tatgccactg acgagactcc 120

cgagctcatg cccttgagcc atgtccttgc cacgaagctc ggtgccaagc tcaccgaggt 180
tcggaagaac gggacatgcc cttggctgag acctgatggc aagaccaag tcactgttga 240
gtactacaat gacaagggtg cca 263

<210> 1742
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1742

gtngangcgt acgtaagctc ggaattcggc tcgaggcacg gccacctcac aaagaggcct 60
gaggagattg gtgctggtga ccaaggatcat atgttcggct atgccactga cgagactccc 120
gagctcatgc ccttgagcca tgtccttgcc acgaagctcg gtgccaagct caccgaggtt 180
cggaagaacg ggacatgccc ttggctgaga cctgatggca agaccaagt cactgttgag 240
tactacaatg acaagggtgc catggttcca atccgcgtcc aactgtgct catctccac 299

<210> 1743
<211> 254
<212> DNA
<213> Glycine max
<400> 1743

ctcaccgagg ttcgcaagaa cggtagctgc ccttggctga ggcctgatgg gaagacccaa 60
gtgaccgttg agtattacaa tgacaatggt gccagggttc ctattcgtgt acacaccgtg 120
ctaattctcca cccaacacga cgagactgtc accaatgacg aaattgctgc tgacctcaaa 180
gagcatgtga tcaagcctgt gatcccagag aagtaccttg atgagaagac cattttccac 240
ttgaaccctt cagg 254

<210> 1744
<211> 268
<212> DNA
<213> Glycine max
<400> 1744

acagagtcct gatattgctc aagggtgtgca cgccacctc acaaagaggc ctgaggagat 60

tgggtgctggt gaccaagggtc atatgttcgg ctatgccact gacgagactc ccgagctcat 120
 gcccttgagc catgtccttg ccacgaagct cgggtgccaag ctcaccgagg ttcggaagaa 180
 cgggacatgc ccttggtgta gacctgatgg caagacccaa gtcactgttg agtactacaa 240
 tgacaagggt gccatgggtc caatccgc 268

<210> 1745
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1745

gca'cgctac gtaagctcgg aattcggctc gagcacggac gagaccccag aattgatgcc 60
 attgagtcac gttcttgcaa ctaaactcgg tgctcgtctc accgagggtc gcaagaacgg 120
 aacctgcca tggttgaggc ctgatgggaa gacccaagtg actgttgagt attacaatga 180
 caacggtgcc atggttccag ttcgtgncca cactgtgctt atctccaccc aacatgatga 240
 gactgtgacc aacgacgaaa ttgcagctga cctcaaggag catgtgatca agccggtgat 300
 cccgg 305

<210> 1746
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1746

antcgcangc acgcgtacgt aagctcggaa ttcggctcga ggtcctcgac gcttgcccttg 60
 aacaggaccc agacagcaag gttgcctgcg aaacatgcac caagaccaac ttgggtcatgg 120
 tcttcggaga gatcaccacc aaggccaacg ttgactacga gaagatcgtg cgtgacacct 180
 gcaggaacat cggcttcgtc tcaaacgatg tgggacttga tgctgacaac tgcaagggtcc 240
 ttgtaaacad tgagcagcag agccctgata ttgccagggt tgtgcacggc caccttacca 300
 aaagacccga ggaaat 316

<210> 1747
 <211> 306
 <212> DNA

<213> Glycine max

<400> 1747

```
gtcgcatgca cgcgtacgta agctcgggaat tcggctcgag ctcaccggcc gcaagatcat   60
catcgacacc tatggaggat ggggtgcaca tgggtggtggt gccttctctg ggaaggatcc  120
taccaagggt gataggagt gtgcctacat tgtgaggcaa gctgcaaaga gcattgttgc   180
aatggactt gctaggaggg caattgtgca agtttcctat gccattggtg tgcctgagcc   240
cttgtctgtg tttgttgaca cttatggcac tgggaagatc cctgacaagg aaatcctcag   300
cattgt                                           306
```

<210> 1748

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1748

```
gtgcgtgaca catgcaggaa cattgggtttt gtctctgatg atgttgggtct tgatgctgac   60
aactgcaagg tcctcgtaaa cattgagcaa cagagtcctg atattgctca aggtgtgcac  120
ggccacctca caaagaggcc nnaggagatt ggtgctggtg accaagggtca tatgttcggc   180
tatgccactg acgagactcc cgagctcatg cccttgagcc atgtccttgc cacgaagctc   240
ggtgccaagc tcaccgaggt tcggaagaa                                           269
```

<210> 1749

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1749

```
tcgcangcac ncgtacgtaa gctcgggaatt cggctcgaga cagagtcctg atattgctca   60
aggtgtgcac ggccacctca caaagaggcc tgaggagatt ggtgctggtg accaagggtca  120
tatgttcggc tatgccactg acgagactcc cgagctcatg cccttgagcc atgtccttcc   180
acgaagctcg gtgccaagct caccgaggtt cggaagaacg ggacatgccc ttggctgaga   240
cctgatggca agaccaagt cactgttgag tactacaatg acaaggggtgc catggttcca   300
```

atccgcgtcc a

311

<210> 1750
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1750

gcangcacgc gtacgtaagc tcggaattcg gctcgangtt cttgcaacta aactcgggtgc 60
tcgtctcacc gaggttcgca agaacggaac ctgcccattg ttgaggcctg atgggaagac 120
ccaagtgact gttgagtatt acaatgacaa cggtgccatg gttccagttc gtgtccacac 180
tgtgcttata tccacccaac atgatgagac tgtgaccaac gacgaaattg cagtgcacctc 240
aaggagcatg tgatcaagcc ggtgatcccg gagaagtacc ttgatgagaa gaccattttc 300
cacttgaa 308

<210> 1751
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1751

aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 60
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 120
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 180
accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atggtttttcg 240
gagagatcac aaccaaggcc aacgtggact atgagaagat tgtgcgtgac acatgcaagg 300
aacattggnt tttgtctctg atgaatgttg gncttgatgc tgacaactgc aaggnccccc 360
tcaaanattg gnnacaaaa ntccggaana ttgc 394

<210> 1752
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1752

cangcacgcg tacgtaagct cggaattcgg ctcgagggac cctaccaagg ttgacagaag 60
 tggcgcctat atcgtgaggc aggctgcaaa gagtggtgtg gcaaatggcc ttgccagaag 120
 gtgcattgtc caagtttcct atgccattgg tgtccctgag cccttgtcag tgtttgtgga 180
 cacttatgga actgggaaga ttcctgacaa ggagattctt caaattgtga aggagaattt 240
 cgacttcaga cctggaatga tcaccattaa cttggacctt aagaggggtg gccatagggt 300
 cctcaagaca gctgcttatg gacct 326

<210> 1753
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1753

gnngngnggt gnnttcntnn nntntacnn tttggcntgc cgtaccgggc cggaattccc 60
 gggcgcaccc acgcgtccgg caagccccac tcaaccacca cacctcttct cgttcacgct 120
 acccctttct gctcttcttc tacctttcaa gttttaaaag tataaagatg gcagagacat 180
 tcctatttac ctgagagtcg gtgaacgagg gacacctga caagctctgc gaccaaactc 240
 ccgatgctgt cctgcacgct tgcctcgagc aggaccacaga cagcaaagtt gcctgcgaaa 300
 catgcaccaa aaccaacttg gtcattggtc tcggagaaat cagcaccaag gccaacgttg 360
 actacgagaa gatagtgcgt gacacctgca ggaacatcgg ctctgtctca aatgatgtgg 420
 gactggatgc cgacaactgc aaggctctgt caacattgac agcagaccct gatattgggc 480
 aagggtggtc acgggcacct taccaaaaaa anctggaaga aattgggggt tggnga 536

<210> 1754
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1754

cacgcgtacg taagctcgga attcggctcg agaccaaggt tgataggagt ggtgcttaca 60
 ttgtgagaca ggctgctaag agcattgtgg caagtggact agccagaagg tgcattgtgc 120
 aagtgtctta tgccattggt gtgcccagac ctttgtctgt ctttgttgac acctatggca 180

ccgggaagat ccatgataag gagattctca acattgtgaa ggagaacttt gatttcaggc 240
 ccggtatgat ctccatcaac cttgntctca agaggggtgg gaataa 286

<210> 1755
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 1755

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
 agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
 atgcttggag caggaccctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180
 ggtgatgggt ttcggagaga tcacaaccaa ggccaacgtg gactatgaga agattgtgcg 240
 tgacacatgc aggaacattg gttttgtctc tgatga 276

<210> 1756
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 1756

gtcgcgatgca cgcgtacgta agctcggaaat tcggctcgag ggccaacgta gactatgaga 60
 agattgtccg tgacacatgc cgcgaaattg gattcatctc tgatgatggt ggtcttgatg 120
 ctgacaaatg caaggtgttg gtcaacattg agcagcagag ccctgatatc gccaggggtg 180
 tgcacgggtca cttcaccaag cgcccagagg aggttggtgc tggtgaccag ggtcacatgt 240
 ttgggctatg ccatgatgaa acccctgagt acatgcccct cagccatgtc cttgcaacca 300

<210> 1757
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1757

nngtcgcang cacgcgtacg taagctcgga attcggctcg agccctgata tcgcccaggg 60
 tgtgcacggg cacttcacca agcggccaga ggaggttggt gctggtgacc agggtcacat 120

gtttggctat gccactgatg aaacccctga gtacatgccc ctcagccatg tccttgcaac 180
 caaactcggg gctcgccctca ccgagggttag gaaaaatggg acctgtgctt ggctgaggcc 240
 agatggcaag acacaagtaa ctgttgagta ctacaatgac aatggtgcca tggttccagt 300
 tcgt 304

<210> 1758
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1758

ngtcgcangc acgcgtacgt aagctcggaa ttcgggctcga gctgcaaaga gcattgttgc 60
 aaatggactt gctaggaggg caattgngca agtttcctat gccattgggtg tgcctgagcc 120
 cttgtctgtg tttgttgaca cttatgggca ctgggaagat ccctgacaag gaaatcctca 180
 gcattgtgaa ggagagtttt gacttcaggc ctggcatgat ctccatcaac cttgatctca 240
 agaggggtgg aaatggcagg ttcttgaaga ctgctgcata tggacacttt ggcagagatg 300
 accctgact 309

<210> 1759
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1759

ncacgtcgan gcacgcgtac gtaagctcgg aattcggctc gaggagaaga ccatcttcca 60
 ccttaaccct tctggccgtt ttgtcattgg tggccctcat ggtgatgctg gtctcactgg 120
 aagaaagatc atcattgata cctatgggtg gtgggggtgct catggtggag gtgccttttc 180
 aggggaaggac cctaccaagg ttgacagaag tgggtgcctat atcgtgaggc aggctgcaaa 240
 gagtgttgtg gcaaattggc ttgccagaag gtgcatgtcc aagtttccta tgccattggg 300
 gtccctgagc cctgtcagtg 320

<210> 1760
 <211> 295
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1760

```
gtcgcangca cgcgtacgta agctcggaa tccgctcgag gcgtgacaca tgcaggaaca 60
ttggttttgt ctctgatgat gttggtcttg atgctgacaa ctgcaaggtc ctcgtcaaca 120
ttgagcaaca gagtcctgat attgctcaag gtgtgcacgg ccacctcaca aagaggcctg 180
aggagattgg tgctggtgac caaggtcata tgttcggcta tgccactgac gagactcccg 240
agctcatgcc cttgagccat gtccttgcca cgaagctcgg tgccaagctc accgn 295
```

<210> 1761

<211> 297

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1761

```
ngtcntangc acgcgtacgt aagctcggaa ttcggctcga gggtaacat tgagcaacag 60
agccccgata tcgcccaggg tgtgcacggc cacttcacca agcgcccaga ggaggttggt 120
gctggtgacc agggtcacat gtttgggtat gccaccgatg aaacccccga gtacatgccc 180
ctcagccatg tccttgcaac caaacttggt gctcgccctca cagagggttag gaagaatggc 240
acctgtgctt ggttgaggcc agatggtaag acacaagtaa ccgtcgagta ctacaat 297
```

<210> 1762

<211> 297

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1762

```
tcgcatncac gcgtacgtaa gctcgggaatt cggctcgagc atcattgata cctatggtgg 60
ctgggggtgct catggtggag gtgccttttc agggaaggac cctaccaagg ttgacagaag 120
tggtgcctat attgtaaggc aggctgcaaa gagtgctgtg gcaaatggcc ttgctagaag 180
gtgcattgtg caagtttcct atgccattgg tgtccctgag cccttgctcag tgtttgtgga 240
cacttatgga actgggaaga ttcctgacaa ggagattctg caaattgtga aggagaa 297
```

<210> 1763
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1763

angangacgt cgctgcacgc gtacgtaagc tcggaattcg gctcgaggga agaacgggac 60
 atgcccttgg ctgagacctg atggcaagac ccaagtcact gttgagtact acaatgacaa 120
 gggtgccatg gttccaatcc gcgtccacac tgtgctcatc tccacacagc atgatgagnc 180
 tgtcacaaat gatgagattg cagctgatct taaagaacac gtgattaagc ctgtgattcc 240
 tgagaagtac cttgatgaga agaccatttt ccatttgaac ctttctggca ggtttgtcat 300
 tgg 303

<210> 1764
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1764

gggnaantct acgcgnncag ttctggtcag agccattccc gggnaanaacc cacgcgnccn 60
 tacggctgcy agaaagacga cagaaggggg caacgctttg attttgaggg caaggcaaag 120
 cccactcaa accaacacac ctctcctccg ttcacgctac cttttctgct cttcttctac 180
 ctttcaagtt ttaaaaagta taaagatggc agagacattc ctatttacct cagagtcggt 240
 gaacgaggga caccctgaca agctctgcga ccaaactctcc gatgctgtcc tcgacgcttg 300
 cctcgagcag gaccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa ccaacttggt 360
 catggtcttc ggagaaatca cgaccaaggc caacgttgac tacgagaaga tagtgcgatga 420
 cacctgcagg aacatcggtc tcgtctcaaa tgatgtggga ctggatgccg acaactgcaa 480
 aggtcctcgt ca 492

<210> 1765
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1765

acgtcgcang cacgcgtacg taagctcggga attcggctcg aggtgccttt tcaggggaagg 60
accctaccaa ggttgacaga agtggtgcct atatcgtgag gcaggctgca aagagtgttg 120
tggcaaatgg ccttgccaga aggtgcattg tccaagtttc ctatgccatt ggtgtccctg 180
agcccttgtc agtgtttgtg gacacttatg gaactgggaa gattcctgac aaggagattc 240
ttcaaattgt gaaggagaat ttcgacttca gacctggaat gatcaccatt aactt 295

<210> 1766

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1766

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gaagctctgt gaccagatct 60
ccgatgctgt gctcgaatgca tgcttgagagc aggaccctga cagcaagggt gcctgtgaaa 120
cctgcaccaa gaccaacatg gtgatggttt tcggagagat cacaaccaag gccaacgtgg 180
actatgagaa gattgtgcgt gacacatgca ggaacattgg ttttgtctct gatgatgtta 240
ntcttgatgc tgacaactgc aaggctcctcg tcaacattga gcaacagagt 290

<210> 1767

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1767

nagtcnncng aacgcgttng taagctcgggt anttcggctc gangtgctca tgggtggangn 60
gccttttcag ggaaggaccc taccaagggt gacagaagtg gtgcctatat cgtgaggcag 120
gctgcaaaga gtgttgtggc aaatggcctt gccagaagggt gcattgtcca agtttcctat 180
gccattggtg tccctgagcc ctgtgcagtg tttgtggaca cttatggaac tgggaagatt 240
cctgacaagg agattcttca aattgtgaag gagaatttcg acttcagacc tggaatgatc 300

<210> 1768

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1768

```
gcagtgtacg tnagctcgga attcggctcg agcattgggtg tgcctgagcc cttgtctgtg 60
tttgttgaca cttatggcac tgggaagatc cctgacaagg aaatcctcag cattgtgaag 120
gagagttttg acttcaggcc tggcatgatc tccatcaacc ttgatctcaa gaggggtgga 180
aatggcaggt tcttgaagac tgcngcatat ggacactttg gcagagatga ccctgacttc 240
acatgggaag tgggtgaagcc actcaagggg gaaaagggtac tgcttaacta aaaggggttc 300
caacactctt ggccaangga ttttgcc 327
```

<210> 1769

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1769

```
gcgtacgnaa gctcgggaatt cggctcgaga atggacttgc taggaggggca attgtgcagt 60
ttcctatgcc attggtgtgc ctgagccctt gtctgtgttt gttgacactt atggcactgg 120
gaagatccct gacaaggaaa tcctcagcat tgtgaaggag agttttgact tcaggcctgg 180
catgatctcc atnaaccttg atctcaagag ggggtggaaat ggcaggttct tgaagactgc 240
tgcatatgga cactttggca gagatgaccc tgacttcaca tgggaagtgg tgaagccatc 300
aagggggaga agacctgctt aa 322
```

<210> 1770

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1770

```
gnncgnncgn aagctcggaa ttcggctcga gngccaagct caccgaggtt cggaagaacg 60
ggacatgccc ttggctgaga cctgatggca agacccaagt cactgttgag tactacaatg 120
acaaggggtgc catgggtcca atccgcgtcc aactgtgct catctccaca cagcatgang 180
agnctgtcac aaatgatgag attgcagctg atcttaaaga acacggnatt aagcctgtna 240
```

tncnganaa gtnccttnat gagaagacca ttttccattt gaacccttc 289

<210> 1771
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1771

nnngcntnan gtagcgnacg taagctcgga attcggctcg agggaagaac gggacatgcc 60
 cttggctgag acctgatggc aagaccaag tcaactgttg gtactacaat gacaaggggtg 120
 ccatggttcc aatccgcgtc cacactgtgc tcatctccac acagcatgat gagactgtca 180
 caaatgatga gattgcagct gatcttaaag aacacgtgat taagcctgtg attcctgaga 240
 agtaccttga tgagaagacc attttccatt tgaacccttc tggcagggtt gtcattg 297

<210> 1772
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1772

catgcaccaa gaccaacatg gtcatgggtct ttggagagat cnntaccaag gccaacgtag 60
 actatgagaa gattgtccgt gacacatgcc gcgaaattgg attcatctct gatgatgttg 120
 gtcttgatgc tgacaatgca aggtgttggt caacattgag cagcagagcc ctgatatcgc 180
 ccagggtgtg cacgggtcact tcaccaagcg cccagaggag gttgggtgctg gtgaccaggg 240
 tcacatgttt ggctatgcca 260

<210> 1773
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1773

ccnncccca ccncntacn aaagctcgga attcggctcg aggttcgggt atgccactga 60
 cgagactccc gagctcatgc ncttgagcca tgtccttgcc acgaagctnc ggtgccaagc 120

tcaccgaggt tcggaanaac gggacatgcc cttggctgag acctgatggc aagacccaag 180
 tcaactgttga gtactacaat gacaagggtg ccatggttcc aatccgcgtc cacactgtgc 240
 tcatctccac acagcatgat gagactgtca caaatgatga gattgcagtg atcttaaaga 300
 acacgtgatt aagcctgtga ttncgtgaaa gtaccttg 338

<210> 1774
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1774

tnngnangcac gcgtacgnaa gctcgggaatt cggctcgaga actttcctat tcacatctga 60
 atcagtgaaac gagggggcacc ctgacaagct cctgtgacca gatctccgat gctgtgctcg 120
 atgcatgctt ggagcaggac cctgacagca aggttgccctg tgaaacctgc accaagacca 180
 acatgggtgat ggttnccgga gagatcacaa ccaaggccaa cgtggactat gagaagattg 240
 tgcgtgacac atgcaggaac attgggttttg tctctgatga tgttggtctt gatg 294

<210> 1775
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1775

gtcgcgatgca cncgtacgta agctcgggaa ttcggctcga gtgtaaacga aggtcacccc 60
 gacaagctgt gcgaccagat ctctgatgca gtgctcgatg ngtgcnttga acaggaccct 120
 gacagcaagg ttgcntgtga gacatgcacc aagaccaaca tggatcatgg ctttgagag 180
 atcacaacca aggccaaacgt agactatgag aagattgtcc gtgacacatg ccgcgaaatt 240
 gggattcatc tctgggtggtg ttgggtcttga tncgtgacaat gcaagggtgnt ggtcaaacaat 300
 tgagcagcag agccctg 317

<210> 1776
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1776

```
gtcgcangca cgcgtacgta agctcgggaat tcggctcgag gaccattttc catttgaacc   60
cttctggcag gtttgtcagc ggagggccgc atggcgatgc tggctcacc ggccgcaaga  120
tcatcatcga cacctatgga ggatgggggtg cacatgggtg tggcgccttc tctgggaagg  180
atcctaccaa ggttgatagg agtgggtgcct acattgtgag gcaagctgca aagagcattg  240
ttgcaaatgg acttgctagg aggcaattgt gcaagtttcc tatgccattg gtgtgcctga  300
gcccttgtc                                     309
```

<210> 1777
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1777

```
gtcgcacgca cgcgtacgta agctcgggaat tcggctcgag gcagggaccc agacagcaaa   60
gttgcttcgc aaacatgcac caaaaccaac ttggctatgg tcttncggag aaatcacgac  120
caaggccaac gttgactacg agaagatagt gcgtgacacc tgcaggaaca tcggcttcgt  180
ctcaaatgat gtgggactgg atgccgacaa ctgcaaggtc ctcgtaaca ttgagcagca  240
gagccctgat attgctcagg gtgtacacgg ccaccttacc aaaaaacctg aagaaattgg  300
tgctggtgac caggggcaca tgtttggt                                     329
```

<210> 1778
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1778

```
gaggnnnnna gggntnntnn tatgaancna nggaactttt nngcntgccc gtaccgggtcc   60
ggattcccg gtcgaccac gcgtccgtac ggctgcggaa gacgacagaa gggggcagcg  120
cttgatttga ggccaggcaa gccccactca accaccacac ctctcctcgt tcacgtacc  180
cctttctgct cttcttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc  240
tatttacctc agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg  300
```

atgctgtcct cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat 360
gcacaaaaac caacttggtc atggtcttcg gagaaatcac gaccaaggcc aacgttgact 420
acgagaagat agtgcgtgac acctgcagga acatcggctt cgtctcaaat gatgtgggac 480
tggatgcccg acaactgcaa ggtcctcgtn acattgac 518

<210> 1779
<211> 293
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1779

gtcgcangca cgcgtacgta agctcggaaat tcngctcgag ntgagcaatg accaaaattgc 60
tgctgacctt aaagagcatg ttattaagcc tgtcattcct gagaagtacc tggatgagaa 120
gaccatcttc caccttaacc cttctggccg ttttgtcatt ggtggccctc atggtgatgc 180
tggctctcact ggaagaaaaga tcatcattga tacctatggt ggggtggggtg ctcatgggtg 240
aggtgccttt tcagggaagg accctaccaa gggtgacaga agtgggtgcct ata 293

<210> 1780
<211> 269
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1780

cgagggacac cctgataagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct 60
cgaacaggac ccagacagca aggttgacctg cgaaacatgc accaagacca acttggtcat 120
ggtcttcgga gagatcacca ccaaggccaa cgttgcatac gagaagatcg tgcgtgacac 180
ctgcaggagc atcggttca tctcanacga tgtgggactt gatgctgaca actgcaaggt 240
ccttgtnaac attgagcagc ngagccctg 269

<210> 1781
<211> 287
<212> DNA
<213> Glycine max
<400> 1781

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagg tggggtgctc atgggtggagg	60
tgcctttttca gggaaggacc ctaccaaggt tgacagaagt ggtgcctata tcgtgaggca	120
ggctgcaaaag agtgttgtgg caaatggcct tgccagaagg tgcattgtcc aagtttccta	180
tgccattgggt gtccctgagc ccttgtcagt gtttgtggac acttatggaa ctgggaagat	240
tcctgacaag gagattcttc aaattgtgaa ggagaatttc gacttca	287

<210> 1782
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1782

cgcngcacgc gtacgtnagc tcggaattcg gctcgaggca cggccacctc acaaagaggc	60
ctgaggagat tgggtgctggt gaccaaggct atatgttcgg ctatgccact gacgagactc	120
ccgagctcat gcccttgagc catgtccttg ccacgaagct cggtgccaag ctcaccngg	180
ttcggaanaa cgggacatgn ccttggctga nacctgatgg caagacncaa gtcactgttg	240
agtactacaa tgacaagggt gccatggttc caatccgcgt ccacactgtg ctcatctcca	300
c	301

<210> 1783
 <211> 305
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1783

nagtcgcang cacgcgtacg taagctcgga attcggtcgc agccagaatt catgccattg	60
agtcatgttc ttgcaaccaa gctcgggtgct cgtctcaccg aggttcgcaa gaacggaacc	120
tgcccatggc tgaggcctga tgggaagacc caagtgactg tggagtatta caatgataat	180
ggtgccaggg ttccagttcg tgtncacacc gtgctaattc ccaccagca tgatgagact	240
gtcaccaacg acgaaattgc ggctgacctc aaggagcatg tgatcaagcc tgtgatcccg	300
gagaa	305

<210> 1784
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1784

 gtcgctgcac gcgtacgtna gctcgggaatt cggctcgagt gatgatgttg gtcttgatgc 60
 tgacaaatgc aaggtgttgg tcaacattga gcagcagagc cctgatatcg cccagggtgt 120
 gcacggtcac ttcaccaagc gcccagagga ggttgggtgct ggtgaccagg gtcacatgtt 180
 tggctatgcc actgatgaaa ccctgagta catgcccctc agccatgtcc ttgcaaccaa 240
 actcgggtgct cgcctcaccg aggttaggaa aaatgggtacc tgtgctt 287

<210> 1785
 <211> 310
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1785

 nancacgtcg cangcacgcg tacgtaagct cgggaattcg gctcgagagg gtcacatgtt 60
 tggctatgcc actgatgaaa ccctgagta catgcccctc agccatgtcc ttgcaaccaa 120
 actcgggtgct cgcctcaccg aggttaggaa aaatgggtacc tgtgcttggc tgaggccaga 180
 tggcaagaca caagtaactg ttgagtacta caatgacaat ggtgccatgg ttccagttcg 240
 tgtccacact gtcctaattt ccaccaaca tgatgagnct gtgagcaatn accaaattgc 300
 tgctgacctt 310

<210> 1786
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1786

 gtcgcangca cgcgtacgta agctcggaat tcggctcgag ntcacaacca aggccaacgt 60
 agactatgaa aagattgtcc gcgacacatg ccgcgaaatt ggattcatct ctgatgatgt 120
 tggctcttgat gctgacaaat gcaaggtggt ggtcaacatt gagcaacaga gcccgatat 180

cgcccagggt gtgcacggcc acttcaccaa gcgcccagag gaggttggtg ctggtgacca 240
gggtcacatg tttgggtatg ccaccgatga aacccccgag tacatgc 287

<210> 1787
<211> 295
<212> DNA
<213> Glycine max

<400> 1787

gtcgcacatgca cgcgtacgta agctcggaaat tcggctcgag gtcttgatgc tgacaaactgc 60
aaggctcctcg tcaacattga gcaacagagt cctgatattg ctcaagggtg gcacggccac 120
ctcaciaaaga ggcttgagga gattggtgct ggtgaccaag gtcatatgtt cggctatgcc 180
actgacgaga ctcccagagct catgcccttg agccatgtcc ttgccacgaa gctcggtgcc 240
aagctcaccg aggttcggaa gaacggggaca tgcccttggc tgagacctga tggca 295

<210> 1788
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1788

tcgcacgcac gcgtacgtaa gctcggaaatt cggctcgagn agatggcaga gacattccta 60
tttacctcag antcggtgaa cgaggggacac cctgacaagc tctgcgacca aatctccgat 120
gctgtcctcg acgcttgccct cgagcaggac ccagacagca aagttgcctg cgaaacatgc 180
accaaaacca acttggtcat ggtcttcgga gaaatcacga ccaaggccaa cgttgactac 240
gagaagatag tgcgtgacac ctgcaggaac atcggtctcg tctcaaatga ngtgggactg 300
gatgccgaca actgcaagtc t 321

<210> 1789
<211> 270
<212> DNA
<213> Glycine max

<400> 1789

tagtgctcc ttgccagaag ttaaaatggc ccaagaaact ttctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120

atgcttggag caggaccctg acagcaagg tgcctgtgaa acctgcacca agaccaacat 180
 ggtgatggtt ttcggagaga tcacaaccaa ggccaacgtg gactatgaga agattgtgcg 240
 tgacacatgc aggaacattg gttttgtctc 270

<210> 1790
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1790

tngatanacg cgtacgtnag ctcggaattc ggctcgaggg aggttggtgc tggtgaccag 60
 ggtcacatgt ttgggctatg ccaactgatga aaccctgag tacatgcccc tcagccatgt 120
 cttgcaacca aactcgggtgc tencctcacc gaggttagga aaaatggtac ctgtgcttgg 180
 ctgaggccag atggcaagac acaagtaact gttgagtact acaatgacaa tggtgccatg 240
 gttccagttc gtgtccacat gtcctaattt ccaccaaca tgatgagcct gtgagcaatg 300
 accaaattgc tgctgacctt aaagagcatg tta 333

<210> 1791
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1791

caatggtgcc atggttccag ttcgtgtcca cactgtccta atttccaccc aacatgatga 60
 nacctgtgag caatgaccaa attgctgctg accttaaaga gcatgttatc aagcctgtca 120
 ttcctgagaa gtacctggat gagaagacca tcttccacct taacccttct ggccgttttg 180
 tcattggtgg ccctcatggt gatgctggtc tcaactggaag aaagatcatc attgatacct 240
 atggtgggtg ggggtgctcat ggtggag 267

<210> 1792
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 1792

```
ccanaatcgc atgcacgcgt acgtaagctc ggaattcngc tcgagctcga gccgctcgag 60
ccggaatcag tgaacgaggg gcaccctgac aagctctgtg accagatcct ccgatgctgt 120
gctcgatgca tgcttggagc aggaccctga cagcaagggt gcctgtgaaa cctgcaccaa 180
gaccaacatg gtgatggttt tcggagagat cacaaccaag gccaacgtgg actatgagaa 240
gattgtgcgt gacacatgca ggaacattgg ttttgtctct gatgatgtn gtcttgatgc 300
tgacaactgc aagt 314
```

<210> 1793

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1793

```
gnnnnnaatt ctacgccggn ctctaacgcg nnaacanaat tcccggaaac gacccacgng 60
nccnntgcga gaagacgaca gaagggggca acgcttnagc agacttnaca acancacaaa 120
gcnggttact gtctgttcaa gctaacatct ccctctctct ttccttaant gcctccttnc 180
caagaaaagt aaaatggccc aagaaacttt cctattcaca tctgaatcaa gttaacgaag 240
gggcaccccc gacaagctct gtgaccaaga tctccgatgc tgtgctcgat gcatgcttgg 300
agcaagaccc tgacagcaan gttgcctgtg aaacctgcac caagaccaac atggtgatgg 360
ttttcggaga gattacaacc aangccaacg tggactatga gaagattgtg cgttacacat 420
gcangaacat tggttttgtc tctgaagatg ttggtcctga agctgacaac tgcaangtcc 480
tcgtcaacaa ttaacaacaa naattctgat at 512
```

<210> 1794

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1794

```
nnngntctan gcacgcgtac gtaagctcgg aattcggctc gaggaccatc ttccacctta 60
acccttctgg ccgttttgtc attggtggcc ctcattggtga tgctggtctc actggaagaa 120
```

agatcatcat tgatacctat ggtggctggg gtgctcatgg tggaggtgcc ttttcagga 180
aggaccctac caaggttgac agaagtggg cctatatgtt aaggcaggct gcaaagagt 240
tcgtggcaaa tggccttgct agaaggtgca ttgtgcaagt ttcctatgcc attg 294

<210> 1795
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1795

cgannacgtc gcangcacgc gtacgtaagc tcggaattcg gctcgaggga cgagacccca 60
gaattgatgc cattgagtca tgttcttgca actaaactcg gtgctcgtct caccgaggtt 120
cgcaagaacg gaacctgccc atggttgagg cctgatggga agacccaagt gactgttgag 180
tattacaatg acaacggtgc catggttcca gttcgtgtcc aactgtgct tatctccacc 240
caacatgatg agactgtgac caacgacgaa attgcagctg acctcaagga gcatgtgatc 300
a 301

<210> 1796
<211> 277
<212> DNA
<213> Glycine max
<400> 1796

gcatgcacgc gtacgtaagc tcggaattcg gctcgagagt ggtgcctaca ttgtgaggca 60
agctgcaaag agcattgttg caaatggact tgctaggagg gcaattgtgc aagtttccta 120
tgccattggt gtgcctgagc cttgtctgt gtttgttgac acttatggca ctgggaagat 180
ccctgacaag gaaatcctca gcattgtgaa ggagagtttt gacttcaggc ctggcatgat 240
ctccatcaac cttgatctca agaggggtgg aaatggc 277

<210> 1797
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1797

gcangcacgc nnacgtnagc tcggaattcg gctcgagacc ctaccaaggt tgacagaagt 60
 ggngcctata tcgtgaggca ggctgcaaag agtgttgtgg canatggcct tgccagaagg 120
 tgcattgtcc aagtttccta tgccattggg gtccctgagc ctttgtcagt gtttgtggac 180
 acttatggaa ctgggaagat tcctgncaag gagattcttc aaattgtgaa ggagaatttc 240
 gacttnagac ctggaatgat caccattaac ttggacctta agaggggtgg ccatagg 297

<210> 1798
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1798

agagcccgga tatcgcccag ggtgtgcacg gccacttcac caagcgccca gaggagggtg 60
 gtgctggtga ccagggtcac atgtttgggt atgncaccga tgaaaccccc gagtacatgc 120
 ccctcagcca tgtccttgca accaaacttg gtgctgcgct cacagagggt aggaagaatg 180
 gcacctgtgc ttggttgagg ccagatggta agacacaagt aaccgtcgag tactacaatg 240
 acaatggtgc catggttcca ttcg 264

<210> 1799
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1799

nagtcgcang cacgcgtacg taagctcgga attcggtcg agccagaatt catgccattg 60
 agtcatgttc ttgcaaccaa gctcggtgct cgtctcaccg aggttcgcaa gaacggaacc 120
 tgcccatggc tgaggcctga tgggaagacc caagtgactg tggagtatta caatgataat 180
 ggtgccaggg ttccagttcg tgtncacacc gtgctaattc ccaccagca tgatgagact 240
 gtcaccaacg acgaaattgc ggctgacctc aaggagcatg tgatnaagcc tgtgatcccg 300
 gngaagtnct t 311

<210> 1800
 <211> 508
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1800

```
ttttgtntnc cgaggccccc acnancntcn tggcctcgng nccacgcgta ngtaaantcg 60
gaattcggct cgagatttga ggccaggcaa gcccactca accaccacac ctctcctcgt 120
tcacgctacc cctttctgct cttctttctac ctttcaagtt ttaaaagtat aaagatggca 180
gagacattcc tatttacctc agagtcggtg aacgagggac accctgacaa gctctgcgac 240
caaatctccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag caaagttgcc 300
tgcgaaacat gcacaaaaac caacttggtc atggtcttcg gagaaatcac gaccaaggcc 360
aacgttgact acganaagat agtgcgtgac anctgcaaga acatcggctt cntctcaaat 420
gatgtgggac tggatgccga caactgcaag gtcctccgtc aacantgaac aacaagaacc 480
ctgatattgc ncaagggttt naaccggc 508
```

<210> 1801

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1801

```
gtcgcangca cgcgtacgta agctcggaat tcggctcgag ccctaccaag gttgacagaa 60
gtggtgccta tatcgtgagg caggctgcaa agagtgttgt ggcaaatggc cttgccagaa 120
ggtgcattgt ccaagtttcc tatgccattg gtgtccctga gcccttgtca gtgttttgtg 180
acatttatgg aactgggaag attcctgaca aggagattct tcaaattgtg aaggagaatt 240
tcgacttcag acctggaatg atcaccatta acttggaact taagaggggt gg 292
```

<210> 1802

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1802

```
cgctgcangc acgcgtacgt aagctcgga ttcggctcga gctcgagccg cgcccagagg 60
aggttgggtg tggtgaccag ggtcacatgt ttggctatgc cactgatgaa acccctgagt 120
```

acatgcccct cagccatgtc cttgcaacca aactcgggtgc tgcctcacc gaggttagga 180
 aaaatggtac ctgtgcttgg ctgaggccag atggcaagac acaagtaact gttgagtact 240
 acaatgacaa tgggtgcatg gttccagttc gtgtccacac tgtcctaatt tccacccaac 300
 atgatac 306

<210> 1803
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1803

acgtcgcatg cagcgtacg taagctcgga attcggctcg agctccgatg ctgtgctcga 60
 tgcattgctt gagcaggacc ctgacagcaa ggttgcttgt gaaacctggc accaagacca 120
 acatggtgat ggttttcgga gagatcacia ccaaggccaa cgtggactat gagaagattg 180
 tgcgtgacac atgcaggaac attggtttta nctctgatga tgttggtcct gatgctgaca 240
 actgcaaggt cctcgtcaac attgagcaac agagtcctga tattgctcaa ggtgtgcacg 300
 gccacctca 309

<210> 1804
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1804

gagaagacga cagaaggggg cancgcttga tttnaggcca ggcangcccc actcanccac 60
 cacacctctc ctcnttcacg ctaccctttt ctgctcttct tctanctttc aagtttttaa 120
 agtataaaga tggcagagan attcntatatt acctcagagt cggatgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtctctgacg cttgcctcna gcaggancca 240
 nacagcaaaa ttgcctgcna aacatgcacc aaaaccaact tggatcatggt cttcggagan 300
 atcacgacca aggccaacgt tgactacgag aagatagatg gtgacacctg caggaacatc 360
 ggcttcgtct caaaatgatg tgggactgga tcccagacaac tgcaangtcc tctgtaacat 420
 ttgaacanca naggcct 437

<210> 1805
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1805

gtcgcgnnna cgcgtacgta agctcggaat tcggctcgag aacagagtcc tgatattgct 60
 caaggtgtgc acggccacct tcacaaagag gcctgaggag attggtgctg gtgaccaagg 120
 tcatatgttc ggctatgcca ctgacgagac tcccgagctc atgcccttga gccatgtcct 180
 tgccacgaag ctcggtgcca agctcaccga ggttcggaag aacgggacat gcccttggct 240
 gagacctgat ggcaagaccc aagtcactgt tgagtactac aatgacaagg gtgccatgg 299

<210> 1806
 <211> 296
 <212> DNA
 <213> Glycine max

<400> 1806

cgtcgcacgc acgcgtacgt aagctcgga ttcggctcga gtcacgacca aggccaacgt 60
 tgactacgag aagatagtgc gtgacacctg caggaacatc ggcttcgtct caaatgatgt 120
 gggactggat gccgacaact gcaaggctct cgtcaacatt gagcagcaga gccctgatat 180
 tgctcagggg gtacacggcc accttacc aaacacctgaa gaaattgggt ctggtgacca 240
 gggtcacatg tttggctatg ccaactgatga aaccctgaa ttgatgccat tgagcc 296

<210> 1807
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1807

ntcgcacgca cgcgtacgta agctcggaat tcggctcgag ctgagccgc attcctgaga 60
 agtaccttga tgagaagacc atcttcacc ttaacccttc angccgtttt gtcattgggt 120
 gccctcatgg tgatgctggg ctactggaa gaaagatcat cattgatacc tatgggtggct 180
 ggggtgctca tgggtggagg gccttttcag ggaaggaccc taccaagggt gacagaagtg 240

gtgcctatat tgtaaggcag gctgcaaaga gtgtcgtggc aaatggcctt gctagaaggt 300
gcatgtgc 308

<210> 1808
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1808

caggctgcta agagcattgt ggcaagtgga cttgccagaa ggtgcattgt gcaagtgtct 60
tatgccattg gtgtgcctga gcctttgtct gtgtttgttg acacctatgg cactgggaag 120
atccatgata aggagattct caacattgtg aaggaaaact ttgatttcag gcctgggatg 180
atctccatca accttgatct caagaggggt ggaaataacn ggttttggan nactgccncc 240
natggacant tggaangnac c 261

<210> 1809
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1809

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcgn gctgagccct tgtctgtgtt 60
tgttgacact tatggcactg ggaagatccc tgacaaggaa atcctcagca ttgtgaagga 120
gagttttgac ttcaggcctg gcatgatctc catcaacctt gatctcaaga ggggtggaaa 180
tggcaggttc ttgaagactg ctgcatatgg acactttggc agagatgacc ctgacttcac 240
atgggaagtg gtgaagccac tcaaggggga gaagg 275

<210> 1810
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1810

nantcgnang ctcngaattc ggctcgaggg tgatggtttt cggagnnntc anaaccaagg 60

ccaacgtgga ctatgagaag attgtgctg acacatgcag gaacattggt tttgtctctg 120
atgatgttgg tcttgatgct gacaactgca aggtcctcgt caacattgag caacagagtc 180
ctgatattgc tcaaggtgtg cacggccacc tcacaaagag gcctgaggag attggtgctg 240
gtgaccaagg tcatatgttc ggctatgcca 270

<210> 1811
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1811

tgcacgcgta cgtaagctcg gaattcggct cgaggacacc tatggaggat ggggtgcaca 60
tggtggtggt gccttctctg ggaaggatcc tatcaagggt gataggagtg gtgcctacat 120
tgtgaggcaa gctgcaaaga gcattgttnc caaatggact tgctaggagg gcaattgtgc 180
aagtttccta tgccattggt gtgcctgagc ccttgctctgt gtttgttgac acttatggca 240
ctgggaagat ccctgacaag gaaatcctca gcattgtgaa ggagagtttt gactcaggcc 300
tggatgatct cnatcac 317

<210> 1812
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1812

acgtcncang cangcgtacg taagctcggn attcggctcg aggcttgaga aatggcacaa 60
ganacctttc tattcacatc tgaatctgta aacgagggtc accccgacaa gctgtgcgaa 120
ccagatctct gatgcagtgc tcgatgcgtg ccttgaacag gaccctgaca gcaaggttgc 180
ctgtgagaca tgcaccaaga ccaacatggt catgggtcttt ggagngatca canccaaggg 240
ccnnacgtag nctatgagaa gattgtccgt gacacctgcc gcgaaattgg attcatctct 300
gatgtgttcg gtcnngatgc gcc 323

<210> 1813
<211> 342
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1813

```
gctgcaaaga gtgttgtggc aaatggcctt gccagaaggt gcattgtcca agtttcctat 60
gccattggtg tccctgagcc cttgtcagtg tttgtggaca cttatggaac tgggaagatt 120
cctgacaagg agattcttca aattgtgaag gagaatttcg acttcagacc tggaatgatc 180
accattaact tggaccttaa gaggggtggc cataggttcc tcaagacagc tgcttatgga 240
cactttggaa gggatgacct gacttcacct gggaagttgt gaagccatca agtctgagaa 300
gccncaactt agatgtgtga gttaaccatc ccttcatggn gc 342
```

<210> 1814

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1814

```
agtgcgancg acgcgtacgt aagctcgga ttcggctcga gacggctgcg agaagcgaca 60
gaaggggaag aaagatcatc attgatacct atgggtggctg ggggtgctcat ggtggagggtg 120
ccttttcagg gaaggaccct accaagggtg acagaagtgg tgcctatatt gtaaggcagg 180
ctgcaaagag tgtcgtggca aatggccttg ctagaagggtg catttgttca gtttcctatg 240
ccattggtgt ccctgagccc ttgtcagtgt ttgtggacac ttatggaact gggaagattc 300
ctgacaagga gattctgc 318
```

<210> 1815

<211> 280

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1815

```
cgcntgcacg cgtacgtaag ctcggaattc ggctcgagca cctatggagg atgggggtgca 60
catggtggtg gtgccttctc tgggaaggat cctaccaagg ttgataggag tgggtgcctac 120
attgtgaggc aagctgcaaa gagcattgtt gcaaattggac ttgctaggag ggcaattgtg 180
caagtttcct atgccattgg tgtgcctgag cccttgtctg tgtttgttga cacttatggc 240
```

actgggaaga tccctgacaa ggaaatcctc agcattgtgn 280

<210> 1816
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 1816

gagcattgtg gcaagtggac ttgccagaag gtgcattgtg caagtgtctt atgccattgg 60

tgtgcctgag cctttgtctg tgtttgttga cacctatggc actgggaaga tccatgataa 120

ggagattctc aacattgtga aggaaaactt tgatttcagg cctggtatga tctccatcaa 180

ccttgatctc aagaggggtg gaaataacag gtttttgaag actgctgcct atggac 236

<210> 1817
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1817

acgtcgcang cacgngacg taagctcgga attcggctcg aggtgcctnc tctgggangg 60

atcctaccaa ggttgatatg antggtgcct anattgtgag gcaagctgca aagagcattg 120

ttgcaaatgg acttgctagg agggcaattg tncaagtttc ctatgccatt ggtgngcctg 180

agcccttntc tgtgtttggt gacacggatg gcactgggaa gatccctgac aangnaatcc 240

tcagcattgt gaaggagagt tttgacttca ggcctggcct gatctccatc naccttgagc 300

tcaagagggg tggn 314

<210> 1818
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1818

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag caatgacgaa attgctgctg 60

acctcaaaga gcatgtgatc aagcctgtga tcccagagaa gtaccttgat gagangacca 120

ttttccactt gaacccttca ggccgttttg tcattggtgg ccctcatggc gatgctggtc 180

tcaccggccg caagatcatt atcgatactt atggaggatg gggtgctcat ggtggtggtg 240
 ctttctccgg gaaggaccct accaagg 267

<210> 1819
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1819

gtcgcangca cgcntacgta agctcgggaat tcggctcgag ctctgggaag gatcctacca 60
 aggttgatag gagtgggtgcc tacattgtga ggcaagctgc aaagagcatt gttgcaaatg 120
 gacttgctag gagggcaatt gtgcaagttt cctatgccat tgggtgtgcct gagcccttgt 180
 ctgtgtttgt tgacacttat ggcaactggga agatccctga caaggaaatc ctcagcattg 240
 tgaaggagag ttttgacttc aggcctggca tgatctcc 278

<210> 1820
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1820

catcgtatgc ncgcgtacgt aagctcggaa ttcggtcga gaattgtgca agtttcctat 60
 gccattggtg tgctgagcc cttgtctgtg tttgttgaca cttatggcac tgggaagatc 120
 cctgcacaag gaaatcctca gcattgtgaa ggagagtgtt gacttcaggc ctggcatgat 180
 ctccatcaac cttgatctca agaggggtgg aaatggcagg ttcttgaaga ctgctgcata 240
 tggacacttt ggcagagatg accctgactt cacatgggaa g 281

<210> 1821
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1821

cttgccagaa ggtgcattgt gcaagtgtct tatgccattg gtgtncctga gcctttgtac 60

tgtgtttgtt gacacctatg gcactggaaa gatccctgac aaggagntcc ttaacattgt 120
gaaggagaac tttgatttca ggcctggtat gatctccatc aaccttgatc tcaagagggg 180
nggaaataac aggtttttga agactgctgc atatggacac tttggaagag aggaccctgg 240
acttcacatg ggaag 255

<210> 1822
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1822

gtcgcattgca cgcgtacgta agctcggaaat tcggctcgan ggagtgggtgc ctacattgtg 60
angcaagctg caaagagcat tgttgcaaata ggacttgcta ggaggggcaat tgtgcaagtt 120
tcctatgcca ttggtgtgcc tgagcccttg tctgtgtttg ttgacactta tggcactggg 180
aagatccctg acaaggaaat cctcagcatt gtgaaggaga gttttgactt caggctggca 240
tgatctccat caacttgatc tcaagagggg tgggaatggc aggttcttga gatgctgcaa 300

<210> 1823
<211> 283
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1823

gtcgcangca cgcgtacgta agctcggaaat tcggctcgag gtgcctacat tgtgaggcaa 60
gctgcaaaga gcattgttgc aaatggactt gctaggaggg caattgtgca agtttcctat 120
gccattggnc tgctgagcc cttgtctgtg tttgttgaca cttatggcac tgggaagatc 180
cctgacaagg aaatcctcag cattgtgaag gagagttttg acttcaggcc tggcatgatc 240
tcatcaacct tgatctcaag aggggtggaa atggcaggtt ctt 283

<210> 1824
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1824

accgtgnann cacnctacg taagctcgga attcggctcg agnggcaggt ttgtcattgg 60
 agggccgcat ggcgatgntg gtctcaccgg ccgcaagatc atcatcgaca cctatggagg 120
 atgggggtgca catgggtggtg gtgccttctc tgggaaggat cctaccaagg ntgataggag 180
 tgggtgcctac attgtgaggc aagctgcaaa gagcattgtt gcaaatggac ttgctaggag 240
 ggcaattgtg caagtttcct atggccattg gtgtgcctga gcccttgtct gtgtttgtng 300
 acactt 306

<210> 1825
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1825

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag ggaggttggt gctggtgacc 60
 aggggtcacat gtttggtctat gccactgatg aaaccctga gtacatgcc ctcagccatg 120
 tccttgcaac caaactcggg gctcgcctca ccgaggtag gaaaaatgg acctgtgctt 180
 ggctgaggcc agatggcaag acacaagtaa ctgttgagta ctacaatgac aatgggtgcca 240
 tggttccagt tcgtgtccac antgtcntaa tttccacca ncatgatcct nctgtgagca 300
 tgaccaaatt ggt 313

<210> 1826
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 1826

ccaccacacc tctcctcggt cacgctaccc ctttctgctc ttcttctacc tttcaagttt 60
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 120
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 180
 ccagacagc aagttgcctg cgaaacatgc accaaaacca acttgggtcat ggtcttcgga 240
 gaaatcacga ccaaggccaa cgttgactac gagaagatag tgcgtgacac ctgcaggaac 300
 atcggcttcg tctcaaata tgtgggatgg atgccgacaa ctgcaaggtc ctcgta 357

<210> 1827
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1827

tgncgcatgc actcgtacgt aagctcggaa ttcggctcga ggcaagggtcc tcgtcaacat 60
 tgagcaacag agtcctgata ttgctcaagg tgtgcacggc caccttcaca aagaggcctg 120
 aggagattgg tgctggtgac caaggtcata tgttcggcta tgccactgac gagactcccg 180
 agctcatgcc cttgagccat gtccttgcca cgaagctcgg tgccaagctc accgagggttc 240
 ggaagaacgg gacatgccct tggctgagac ctgatggcaa gacccaagtc atgttgagta 300
 tacaatgaca agggtgccat 320

<210> 1828
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1828

nngtcgcacg cacgcgtacg taagctcgga attcggctcg agggctcctcg tcaacattga 60
 gcaacagagt cctgatattg ctcaagggtgt gcacggccac ctcaaaaaga ggcttgagga 120
 gattggtgct ggtgaccaag gtcatatgtt cggctatgcc actgacgaga ctcccagact 180
 catgcccttg agccatgtcc ttgccacgaa gctcggtgcc aagctcaccg aggttcggaa 240
 gaacggggaca tgcccttggc tgagacctga tggcaagacc ca 282

<210> 1829
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 1829

cgtgacacat gccgcgaaat tggattcatc tctgatgatg ttggtcttga tgctgacaaa 60
 tgcaagggtgt tgggtcaacat tgagcagcag agccctgata tcgcccaggg tgtgcacggc 120
 cacttcacca agcgcgccaga ggaggttggt gctggtgacc agggtcacat gtttggttat 180

gccactgatg aaaccctga gtacatgcc ctcagccatg tcttgcaacc aaactcgggtg 240
 ctcgctcacc gaggttagga aaaatggtac tgtgcttggc tga 283

<210> 1830
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1830

ncncangcac gcgtacgtaa gctcggaatt cggctcgagn cgtgacacct gcaggaacat 60
 cggcttcgtc tcaaatgatg tgggactgga tgccgacaac tgcaagggtcc tcgtcaacat 120
 tgagcagcag agccctgata ttgctcaggg tgtacacggc caccttacca aaaaacctga 180
 agaaattggt gctggtgacc agggtcacat gtttggctat gccactgatg aaaccctga 240
 attgatgcca ttgagccatg ttcttgcaac aaaactcgggt gctcgctctca 290

<210> 1831
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1831

gtcgcangca cgcgtacgta agctcggaat tcggctcgag catgcttgnc agcaggaccc 60
 tgacagcaag gttgcctgtg aaacctgcac caagaccaac atggtgatgg ttttcggaga 120
 gatcacaacc aaggccaacg tggactatga gaagattgtg cgtgacacat gcaggaacat 180
 tggttttgtc tctgatgatg ttggtcttga tgctgacaac tgcaagggtcc tcgtcaacat 240
 tgagcaacag agtcctgata ttgctcaa 268

<210> 1832
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1832

cgcangcacg cgtacgtaag ctcggaattc ngctcgangg agattggtgc tggtgaccaa 60
 ggtcatgggt tcggctatgc cactgacgag actcccgagc tcatgccctt gagccatgtc 120

cttgccacga agctcgggtgc caagctcacc gaggttcgga agaacgggac atgcccttgg 180
ctgagacctg atggcaagac ccaagtcact gttgagtact acaatgacaa gggtgccatg 240
gttccaatcc gcgtccacac tgtgctcatc tncacacaac atacgaccng agtgtggncg 300
cggattggna catgg 315

<210> 1833
<211> 240
<212> DNA
<213> Glycine max

<400> 1833

agaaattggt gctggtgacc agggtcacat gtttggtat gccactgatg aaaccctga 60
attgatgcca ttgagccatg ttcttgcaac aaaactcggg gctcgtctca ccgaggttcg 120
caagaacggg acctgccctt ggctgaggcc tgatgggaag acccaagtga ccgttgagta 180
ttacaatgac aatggtgcca ggggttcctat tcgtgtacac accgtgctaa tctccacca 240

<210> 1834
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1834

antcgcgatgc acgcgtacgt aagctcggaa ttcggctcga ggctcgcgatgc atgcttgag 60
caggaccctg acagcaaggt tgcctgtgaa acctgncacc aagaccaaca tggatgatggt 120
tttcggagag atcacaacca aggccaacgt ggactatgag aagattgtgc gtgacacatg 180
caggaacatt ggtccaagtc tctgatgatg ttggtcttga tgctgacaac tgcaagggtcc 240
tcgtcaacat tgagcaacag agtcctgata ttgctcaagg tgtgcacggc cacctc 296

<210> 1835
<211> 286
<212> DNA
<213> Glycine max

<400> 1835

gtcgcgatgca cgcgtacgta agctcggaa tcggctcgag gcaagatcat tatcgatact 60

tatggaggat ggggtgctca tgggtggtggt gctttctccg ggaaggaccc taccaagggtt 120
gataggagtg gtgcttacat tgtgagacag gctgctaaga gcatgtggca agtggacttg 180
ccagaagggtg cattgtgcaa gtgtcttatg ccattggtgt gcctgagcct ttgtctgtgt 240
ttgttgacac ctatggcact ggaagatcc atgataagga gattct 286

<210> 1836
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1836

nacangcacg cntacgtaag ctcggaattc ggctcgagct caagtttttg aagtatagag 60
atggcagaga cattcctatt tacctcagag tcagtgaacg agggacaccc tgnccaagct 120
ctgtgaccaa atctctgatg ctgtcctcga cgcttgccctc gaacaggacc cagacagcaa 180
ggttgccctgc gaaacatgca ccaaaaccaa cttggtcatg gtcttcggag aaatcacgac 240
caaggccaat gttgactacg agaagatagt gcgtgacacc tgcaggaaca tcggctttgt 300
ctcaaacgat gtgggactgg atgccgacaa tgcaagggtcc t 341

<210> 1837
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1837

gtcnnangca cgntacgtaa gctcggaatt cggtcgcanc tcgagccgaa tcggctcgag 60
gccgcatggc gatgctggtc tcncncggcc gcaagatcan catcgacacc tatggaggan 120
ggggtgcaca tgggtggtggt gccttctctg ggaaggatcc taccaagggtt gataggagtg 180
gtgcctacat tgtgaggcaa gctgcaaaga gcattgttgc aaatggactt gctaggaggg 240
caattgtgca agtttcctat gccattggtg tgcccgagcc cttgtctgtg tttgttgaca 300
cttatggcac tgg 313

<210> 1838
<211> 276
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1838

nangcacgcg tacgtaagct cggaattcgg ctcgaggaca cctgcaggaa catcggcttc 60
gtctcaaatg atgtgggact ggatgccgac aactgcaagg tcctcgtcaa cattgagcag 120
cagagccctg atattgctca ggggtgtacac ggccacctta ccaaaaaacc tgaagaaatt 180
gggtgtggtg accaggggtca catgtttggc tatgccactg atgaaacccc tgaattgatg 240
ccattgagcc atgttcttgc aacaaaaactc ggtgct 276

<210> 1839

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1839

angtcgcang cacgcgtacg taagctcggg attcggctcg agntgcacca aaaccaactt 60
ggatcatggtc ttccggagaaa tcacgaccaa ggccaacggt gactacgaga agatagtgcg 120
tgacacctgc aggaacatcg gcttcgtctc aaatgatgtg ggactggatg ccgacaactg 180
caaggctctc gtcaacattg agcagcagag ccctgatatt gctcaggggtg tacacggcca 240
ccttaccaaa aaacctgaag aaattgggtgc tggtgaccag ggtcac 286

<210> 1840

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1840

gtcgctagca cgcgtacgta agctcgggaat tcggctcgag ntttcctatg ccattgggtgt 60
ccctgagccc ttgncagtgt ttgtggacac ttatggaact gggaagattc ctgacaagga 120
gattcttcaa attgtgaagg agaatttcga cttcagacct ggaatgatca ccattaactt 180
ggaccttaag aggggtggcc ataggttcct caagacagct gcttatggac actttggaag 240
ggatgaccct gacttcacct gggaagttgt gaagccactc aagtctgaga agcctcaagc 300
ntaagattgt tgtga 315

<210> 1841
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1841

gagaagacga cagaaggggg cagcgcttga tttgaggcca ggcaagcccc actcaaccac 60
 cacacctctc ctcgttcacg ctaccccttt ctgctcttct tctacctttc aagtttttaa 120
 agtataaaga tggcagagac attcctatatt acctcagagt cggatgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg cttgcctcga gcaggaccca 240
 gacagcaaag ttgcctgcga aacatgcacc aaaaccaact tggatcatggt cttcggagaa 300
 atcacgacca aggccaaactg tgactacgag aagatagtgc gttacacctg caagaacatc 360
 cgntttctct cnaatgattt ggaactggat nccaaaaatt gcaagggtc 408

<210> 1842
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 1842

ttgataccta tggatggctgg ggtgctcatg gtggagggtgc cttttcaggg aaggacccta 60
 ccaaggttga cagaagtggg gcctatatatt taaggcaggc tgcaaagagt gtcgtggcaa 120
 atggccttgc tagaagggtgc attgtgcaag tttcctatgc cattgggtgc cctgagccct 180
 tgtcagtgtt tgtggacact tatggaactg ggaagattcc tgacaaggag attctgcaat 240
 tgtgaaggag attcc 255

<210> 1843
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 1843

tctcaagttt ttgaagtata gagatggcag agacattcct atttacctca gagtcagtga 60
 acgagggaca ccctgacaag ctctgtgacc aaatctctga tgctgtcctc gacgcttgcc 120

tcgaacagga cccagacagc aagggtgcct gcgaaacatg caccaaaacc aacttggtca 180
 tgggtcttcgg agaaatcacg accaaggcca atgttgacta cgagaagata gtgcgtgaca 240
 cctgcaggaa catcggcttt gtctcaaacg atg 273

<210> 1844
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1844

nacgcangcn cgcgtacgta agctcggaat tcggctcgag agtggacttg ccagaagggtg 60
 cattgtgcaa gtgtcttatg ccattgggtgt gcctgagcct ttgtctgtgt ttgttgacac 120
 ctatggcact gggaagatcc atgataagga gattctcaac attgtgaagg aaaactttga 180
 tttcaggcct ggtatgatct ccatcaacct tgatctcaag aggggtggaa ataacagggtt 240
 tttgaagact gctgcctatg gacactttgg aa 272

<210> 1845
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1845

gtcgcangca cgcgtacgta agctcggaat tcggctcgag cacgaagctc ggtgccaaagc 60
 tcaccgaggt tcggaagaac gggacatgcc cttggctgag acctgatggc aagacccaag 120
 tcactgttga gtactacaat gacaagggtg ccatggtncc caatccgcgt ccacactgtg 180
 ctcatctcca cacagcatga tgagactgtc acaaatgatg agattgcagc tgatcttaaa 240
 gaacacgtga ttaagcctgt gattcctgag aagtacctt 279

<210> 1846
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1846

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag gaccaacatg gtgatggttt 60

tcggagagat	cacaaccaag	gccaacgtgg	actatgagaa	gattgtgcgt	gacacatgca	120
ggaacattgg	ttttgtctct	gatgatgttg	gtcttgnitg	tgacaactgc	aagggtccctc	180
gtcaacattg	agcaacagag	tcctgatatt	gctcaagggtg	tgacacggcca	cctcacaaaag	240
acgcctgagg	agattggtgc	tggtgacca				269

<210> 1847
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1847

ccacgcgtcc	gtacngctgc	gagaagacga	cagaaggggg	cagcgcttga	tttgaggcca	60
ggcaagcccc	actcaaccac	cacacctctc	ctcgttcacg	ctaccccttt	ctgctcttct	120
tctacctttc	aagttttaaa	agtataaaga	tggcagagac	attcctattt	acctcagagt	180
cggtgaacga	gggacaccct	gacgagctct	gcgaccaa	atctccgatgct	gtcctcgacg	240
cttgccctga	gcaggaccca	gacagcaaag	ttgcctgcga	aacatgcacc	aaaaccaact	300
tggtcatggt	cttcggagaa	atcacgacca	angncaacgt	tgactacgan	aaaganantg	360
ggttanactn	gcagganntc	ggcttcgtct	caa	aatgatgt	gggactggat	420
gcaaggctcct	cgtcaacat					439

<210> 1848
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1848

tcgaggccag	gcaagcccca	ctcaaccacc	acacctctcc	tcgttcacgc	tacccttttc	60
tgctcttctt	ctacctttca	agttttaaaa	gtataaagat	ggcagagaca	ttcctattta	120
cctcagagtc	ggtgaacgag	ggacaccctg	acaagctctg	cgaccaa	atctccgatgctg	180
tcctcgacgc	ttgcctcgag	caggacccag	acagcaaagt	tgcttcgcga	acatgcacca	240
aaaccaactt	ggtcatggtc	ttcggagaaa	tcacgaccaa	ggccaacggt	gactacgaga	300
agatagtgcg	tgacacctgc	aagaacatcg	ggttcgtccc	aatgatgtt	tggaactggg	360

gttccgacaa ctgggaaagg tcctcgttca anattgagca agcaaag 407

<210> 1849

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1849

gtcgcaggca cgcgtacgtn agctcggaaat tcggctcgag nttcctatatt acctcagagt 60

cagtgaacga gggacaccct gacaagctct gtgaccaaatt ctctgatgct gtcctcgacg 120

cttgccctcga acaggaccca gacagcaagg ttgcctgcga aacatgcacc aaaaccaact 180

tggtcatggt cttcggagaa atcacgacca aggccaatgt tgactacgag aagatagtgc 240

gtgacacctg caggaacatc ggctttgtct caaacgatgt gg 282

<210> 1850

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1850

agtngcangc acgcgtacgt aagctcggaa ttcggctcga gagcaattta tcaagcctgt 60

cattcctgag aagtacctgg atgagaagac catcttcac cttaccctt ctggccgttt 120

tgtcattggt ggccctcatg gtgatgctgg tctcactgga agaaagatca tcattgatac 180

ctatggtggg tggggtgctc atggtggagg tgccttttca gggaaggacc ctaccaaggt 240

tgacagaagt ggtgcctata tcgtga 266

<210> 1851

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1851

ggtgctcatg gtggtggtgc cttctccggg aaggatccca ccaaggttga taggagtgg 60

gcttacattg tgagacaggc tgctaagagc attgtggcaa gtggactagc cagaaggtgc 120

attgtgcaag tgtcttatgc cattgggtgtg cccgagcctt tgtctgtctt tgttgacacc 180
tatggcaccg ggaagatcca tgataaggag attctcaaca ttgtgaagga gaatttgatt 240
ncaggcccgg tatgatctcc atcaaccttg at 272

<210> 1852
<211> 305
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1852

cnncatncgt aagtnantnc nncattnggc tcgagccaac ttggtcatgg tctncggata 60
natcntgncc aaggccancg ttgnctacga gnagatagtg cgtgacacct gcaggaacat 120
cggcttcgtc tcanatgatg tgggactgga tgccgacaac tgcaagggtcc tcgtcaacat 180
tgagcagcag agccctgata ttgctcaggg tgtacacggc caccttacca aaaaacctga 240
agaaattggt gctgggtgacc aggggtcacat gtttggtctat gccatgatga nccctgaatt 300
gatgc 305

<210> 1853
<211> 340
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1853

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcacaaagcg ggttactgtc 60
tgttcaagct accatctctc tctctctttc ttagtgccctc cttgccagaa gttaaaatgg 120
cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctct 180
gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct gacagcaagg 240
ttgcctgtga aacctgcacc aagaccaaca tgggtgatgg tttcggagag atcacaacca 300
aggccaacgt ggactatgag aagattgtgc gtgacacatg 340

<210> 1854
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 1854

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agtcgcangc acgcntacgt aagctcggaa ttcggctcga gctctctgtt ctcttctacc 60
tctcaagtnt ttgaagtata gagatggcag agacattcct atttacctca gagtcngtga 120
acgagggaca ccctgacaag ctctgtgacc aaatctctga tgctgtcctc gacgcttgcc 180
tcgaacagga cccagacagc aagggtgcct gcgaaacatg caccaaaacc aacttggtca 240
tggctcttcgg agaaatcacg accaaggcca atgttgacta cgagaagata gtgcgtgaca 300
cctgcaggaa catcggcttt gtctcaaac 329

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<210> 1855
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1855

```

tcgcatgcac gcntacgtaa gctcgggaatt cggctcgagn ganattggtg ctggtgacca 60
gggtcacatg tttggctatg ccaactgatga aaccctgaa ttgatgccat tgagccatgt 120
tcttgcaaca aaactcgggtg ctcgtctcac cgagggtcgc aagaacggta cctgcccttg 180
gctgaggcct gatgggaaga cccaagtgac cgttgagtat tacaatgaca atggtgccag 240
ggttcctatt cgtgtacaca ccgtgcnnaa tctccacca acacgacgag nct 293

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<210> 1856
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1856

```

naaangtcgc atgcacgcgt acgtaagctc ggaattcggc tcgagtgacc gttgagtatt 60
acaatgacaa tgggtgccagg gttcctattc gtgtacacac cgtgctaadc tccaccaaac 120
acgacgagtn ctgtcaccaa tgacgaaatt gctgctgacc tcaaagagca tgtgatcaag 180
cctgtgatcc cagagaagta ccttgatgag aagaccattt tccaacttga acccttcagg 240
ccgttttgtc attggtggcc ctcatggcga tgctggtctc accggccgca agatcattat 300
cgatac 306

```

<210> 1857
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1857

gcangcaggg gtacgtnagc tcggaattcg gctcgagggg aggttgggtgc tggtgaccag 60
 ggtcacatgt ttggctatgc cactgatgaa acccctgagt acatgcccct cagccatgtc 120
 cttgcaacca aactcgggtgc tcgcctcacc gaggttagga aaaatgggtac tgtgcttggc 180
 tgaggccaga tggcaagaca caagtaactg ttgagtacta caatgacaat ggtgccatgg 240
 ttccagttcg tgtccacact gtcctaattt ccacacaaca tgncnnnacc ganc 294

<210> 1858
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1858

gagaagacga cagaaggggg cagcgcttga tttgaggcca ggcaagcccc actcaaccac 60
 cacacctctc ctcggttcacg ctaccccttt ctgctcttct tctacctttc aagttttaaa 120
 agtataaaga tggcagagac attcctattt acctcagagt cgggtgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg cttgcctcga gcaggaccca 240
 agacagcaaa gttgcctgcg aaacatgcac caaaaccaac ttgggtcatgg tcttcggaga 300
 aatcacgacc aaggccaacg ttgactacga gaagatagtg cgtgacacct gcangaacat 360
 cggcttcgtc tcaaattgatg tgggactgga tgcc 394

<210> 1859
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1859

cgcattgcacg cgtacgtaag ctcggaattc gggctcgagc tctgatgatg ttggtcttga 60

tgctgacaaa tgcaagggtgt tgggtcaacnt tgagcagcag agccctgata tcgcccaggg 120
 tgtgcacgggt cactttcacc aagcgcccag aggagggttg tgctgggtgnc cagggtcaca 180
 tgtttggcta tgccactgat gaaacccctg agtacatgcc cctcagccat gtccttgcaa 240
 ccaaaactcgg tgctcgctc accgagttag gaaaaatggt acctgtgctt ggctgaggcc 300
 agatngc 307

<210> 1860
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1860

gnaactctta ccggccangt accgttaang agccccggnt cgacannacg cgtagtccg 60
 gctgcgaaga aaacgacaga agggggcagc gcttgatttg aggccaggca agccccactc 120
 aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt 180
 tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggg 240
 caccctgaca agctctgcga ccaaactctc gatgctgtcc tcgacgcttg cctcgagcag 300
 gacccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa ccaacttgggt catggtcttc 360
 ggagaaaatca cgaccaangg caacgttgac tacnanaann aaattncntg acacctgcag 420
 gaacatcggc ttcgtctcaa atgatgtggg actgggatgc cgacaactgc aangtcctcg 480
 tcaacattga gca 493

<210> 1861
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1861

ggctttnnng ccngtnnaa tcttacaggc caggtagcgg tacggaattc ccggctcgac 60
 ccacgcgtac gtacggctgc gagaagacga cagaaggggg cagcgcttga tttgaggcca 120
 ggcaagcccc actcaaccac cacacctctc ctcgttcacg ctaccccttt ctgctcttct 180
 tctacctttc aagttttaaa agtataaaga tggcagagac attcctattt acctcagagt 240

cgggtgaacga gggacaccct gacaagctct gcgaccaa at cccgatgct gtcctcgacg 300
 cttgcctcga gcaggaccca gacagcaaag ttgcctgcga aacatgcacc aaaaccaact 360
 tgggtcatggt cttcggagaa atcacgacca angccaacgt tgactacgaa aaagataatt 420
 ccttaacacc tgcaggaaca tcggcttcgt ctcaaatgat gtgggactgg atgccgacaa 480
 ctgcaaggt 489

<210> 1862
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1862

gtcgcatgca cgcgtacgtn agctcggaa tccgctcgag cagaacatcg ntctgtctca 60
 aatgatgtgg gactggatgc cgacaactgc aaggtaacct gtacaacatt gagcagcaga 120
 gccctgatat tgctcagggt gtacacggcc accttacc aaacacctgaa gaaattggtg 180
 ctggtgacca ggggtcacatg ttgggtatg cactgatga aacccctgaa ttgatgccat 240
 tgagccatgt tcttgcaaca aaactcgggt ctcgtctcac cgagggttcgc aagaacggta 300

<210> 1863
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1863

ncatgcacgc gtacgtaagc tcggaattcg gctcgagctt ctacctctca agtttttgaa 60
 gtatagagat ggcagagaca ttctatttta ccttcagagt cagtgaacga gggacaccct 120
 gacaagctct gtgaccaa at ctctgatgct gtcctcgacg cttgcctcga acaggaccca 180
 gacagcaagg ttgcctgcga aacntgcacc aaaaccaact tgggtcatggt cttcggagaa 240
 atcacgacca aggccaatgt tgactacgag aagatagtgc gtgacacctg caggaacatc 300
 ggctttgtct caaacgatgt gggactggat 330

<210> 1864
 <211> 308
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1864

cgcatgcacg cgtacgtaag ctcggaattc ggctcganct cgagccgaat tcngctcgag 60
ttcggctcga gcatggtgga gntgcctttt cagggaaagn ccctaccaag gttgacagaa 120
gtggtgccta tatcgtgagg caggctgcaa agagtgttgt ggcaaattggc cttgccagaa 180
ggtgcattgt ccaagtttcc tatgccattg gtgtccctga gcccttgtca gtgtttgtgg 240
acacttatgg aactgggaag attcctgaca aggagattct tcaaattgtg aaggagaatt 300
cgacttca 308

<210> 1865

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1865

gtngcangcg tacgtaagct cggaattcgg ctcgaggcct tgccagaagg tgcattgtcc 60
aagtttcccta tgccattggt gtccctgagc ccttgtcagt gtttgtggac acttatggaa 120
ctgggaagat tcctgacaag gagattcttc aaattgtgaa ggagaatttc gacttcagac 180
ctggaatgat caccattaac ttggacctta agaggggtgg ccataggttc ctcaagacag 240
ctgcttatgg acactttgga agggatgacc ctgacttcac ctgggaag 288

<210> 1866

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1866

gcgtacgtna gctcgggaatt cggctcgagn gcaagtttcc tatgccattg gtgtccctga 60
gcccttgtca gtgtttgtgg acacttatgg aactgggaag attcctgaca aggagattct 120
gcaaattgtg aaggagaatt tcgacttcag acctggaatg atcaccatta acttggacct 180
taagaggggt ggtcataggt tcctcaagac agctgcttat ggacactttg gaagggatga 240
tgcagacttc acctgggaag ttgtgaagcc actcaagtca g 281

<210> 1867
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1867

acttaacaac agcacaaagc gggttactgt ctgttcaagc taccatctct gctctctctn 60
 tcttagtgcc tcnttnccag aagttaaaaa tggcccaaga aactttccta ttcacancct 120
 gaatcagtga acgaggggca ccctgacaag ctctgtgacc agatctccga tgctgtgctc 180
 gatgcatgct tgagcaggac cctgacagca aggttgccctg tgaaacctgc accaagacna 240
 acatgggtgat ggttttcgga gagatcacaa ccaangccaa cgtggactat gaggagattg 300
 tgngtgacac atgcaagaac attggtttgt ctccgatgat gtnngtcttn ntg 353

<210> 1868
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1868

aattttcacg ccgnccaggt ancggtcana gaattcccgg ggncgaccca cgcgtccnccg 60
 gacgcgtggg cggacgcgtg ggcggacgcg tgggcggctg cgagaagacg acagaagggg 120
 gcagcgcttg agaccaagcc ccaactcaacc accacaccac tctctctgct cttcttctac 180
 ctttcaagtt tttaaagtat taagatggca gagacattcc tatttacctc agagtcagtg 240
 aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc 300
 cttgaacagg acccagacag caaggttgcc tgcgaaacat gcaccaaaga ccaacttggt 360
 catggtcttc ggagagatta acancaaagg ccaacgttga ctacgaagaa gatcgtgcgt 420
 gacacctgca ggaacatcgg ctccgtctca aacgatgtgg gacttgatgc tgacaactgc 480
 aangtccttg taacaatgaa ca 502

<210> 1869
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1869

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naangnagan gtcgcatgca cgcgtacgta agctcggaat tcggctcgag gtttttgaag 60
tatagagatg gcagagacat tcctatttcc ctcagagtca gtgaacgagg gacaccctga 120
caagctctgt gaccaaactct ctgatgctgt cctcgacgct tgcctcgaac aggaccaga 180
cagcaagggtt gcctgcgaaa catgcaccaa aaccaacttg gtcatggtct tcggagaaat 240
cacgaccaag gccatgttga ctacgagaag atagtgcgtg acacctgccg gaacatcggc 300
tttgtctcna acgatgtggg at 322
```

<210> 1870
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1870

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tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 60
aaaatggccc aagaaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac 120
aagctctgtg accagatctn cgatgctgtg ctcgatgcat gcttggagca ggaccctgac 180
agcaagggttg cctgtgaaac ctgcaccaag accaacaatgg tgatgggtttt cggagagatc 240
acaaccaagg ccaacgtgga ctatgagaaa gattgtgcgt gacacatgca ggaaccattg 300
ggttttgctc tgatgaatgt ggtcttggat gcttgacact gcaaggctct cgtcaacatt 360
tgagcaacag aagtcctgat antgnttcaa ggtgtgcacg ggcaccttac aaaagang 418
```

<210> 1871
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1871

```
tacctctcaa gtttttgaag tatagagatg gcagagacat tcctatttac ctcagagtca 60
gtgaacgagg gacaccctga caagctctgt gaccaaactct ctgatgctgt cctcgacgct 120
tgcctcgaac aggaccaga cagcaagggtt gcctgcgaaa catgcaccaa aaccaacttg 180
```


gtcatggtct tcggagaaat cacgaccaag gccaatgttg actacgagaa gatagtgcgt 240
gacacctgca ggnacatcgg g 261

<210> 1872
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1872

acgtcgcattg cacgcgtacg taagctcggg attcggctcg agcgaggggg accctgnaca 60
agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag gaccctgaca 120
gcaaggttgc ctgtgaaacc tgcaccaaga ccaacatggt gatgggttttc ggagagatca 180
caaccaaggc caacgtggac tatgagaaga ttgtgctgta cacatgcagg aacattgggtt 240
ttgtctctga tgatgttggg cttgatgctg acnactg 277

<210> 1873
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1873

ctgnacgnnt gctcgggaatt cggctcgaga ccaaggccaa cggttgactac gagaagatag 60
tgctgtgacac ctgcaggaac atcggcttcg tctcaaatga tgtgggactg gatgccgaca 120
actgcaagggt cctcgtcaac attgagcann cagagccctg atattgctca ggggtgtacac 180
ggccacctta ccaaaaaaacc tgaagaaatt ggtgctgggt accaggggtca catgtttggc 240
tatgccactg atgaaacccc tgattgatgc cattgagcca tgttcttgca a 291

<210> 1874
<211> 287
<212> DNA
<213> Glycine max

<400> 1874

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120

atgcttggag caggaccctg acagcaaggt tgctgtgaaa cctgcaccaa gaccaacatg 180
 gtgatggttt tcggagagat cacaaccaag gccaacgtgg atatgagaag atgtgcgtga 240
 cacatgcagg aacattggtt ttgctctgat gatttggctt gatgctg 287

<210> 1875
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 1875

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc caaggttgat aggagtgggtg 60
 cctacattgt gaggcaagct gcaaagagca ttgttgcaaa tggacttgct aggagggcaa 120
 ttgtgcaagt ttcctatgcc attggtgtgc ctgagccctg tctgtgtttg ttgacactta 180
 tggcactggg aagatccctg acaaggaaaat cctcagcatt gtgaaggaga gttttgactt 240
 caggcctggc atgatctcca tc 262

<210> 1876
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1876

tcncangcac gcgtacgtaa gctcgggaatt cggctcgagg gggnanctga caagctctgt 60
 gancagatct ccgatgctgt gctcgatggc atgcttggag caggaccnt acagcaangt 120
 tgctgtgan acctgnanca agaccaacat ggtgatggtt tncngagaga tcanaaccaa 180
 ggccaacgtg gactatgaga agattgtgcg tgacacatgc aggaacattg gttttgtctc 240
 tgatgatggtt ggtctgatgc tgacaatgca nagtcctcgt caacattgag cnacagagtc 300
 ctgatattgc tcaag 315

<210> 1877
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1877

ggngngntnn nggnaaactt tcacttgccg cgnccaggta anggtcagga attccccgggt 60
 cgacccacgc gtccgtacgg ctgcgagaag acgacagaag ggggcagcgc ttnagatnan 120
 nccccactca accaccacac cactctctct gctcttcttc tacctttcaa gtttttaaag 180
 tattaagatg gcagagacat tcctatttac ctcagagtca gtgaacgagg gacaccctga 240
 caagctctgc gaccanattc ccgatgctgt cctcgacgct tgccttgaac angaccaga 300
 cagcaagggt gcctgcgaaa catgcaccaa naccaacttg gtcattgtct tcggagaaga 360
 tnancaccaa ggccaacgtt gactacgaag aagatcgtgc gttgacacct gcangaacat 420
 cggcttccgt ctcaaacgat gtgggacttg atgctgacaa ctgcaanggt cttgtnaaca 480
 ttgancacc 489

<210> 1878
 <211> 468
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1878

actttacgnt gccangtccc ggtcangaat ncccgggtcg acccacgcgt cngacggctg 60
 cgagaagacg acagaagggg gcagcgcttg agaccaagcc ccaactcaacc accacaccac 120
 tctctctgct cttcttctac ctttcaagtt tttaaagtat taagatggca gagacattcc 180
 tattttacctc agagtacgtg aacgagggac accctgacaa gctctgcgac caaatctccg 240
 atgctgtcct cgacgcttgc cttgaacagg acccagacag caagggttgc tgcgaaacat 300
 gcaccaagac caacttggtc atggtcttcg gagaagatna ccaccaaggc caacgttgac 360
 tacgaagaag atngtgcgtg acacctgcan gaacatcngc ttcgtctcaa aagaatttgg 420
 acttgatcct gaacaactgc aaaggctcct tgtaaacaat naancacc 468

<210> 1879
 <211> 300
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1879

acgtcgcang cacgcgtacg taagctcgga attcgggtcg agcccccgag tacatgcccc 60

tcagccatgt ccttgcaacc aaacttggtg ctgcctcac agaggtagg aagaatggca 120
cctgtgcttg gttgaggcca gatggaaga cacaagtaac cgtcgagtac tacaatgaca 180
atggtgccat ggttccagtt cgtgtccaca ctgtcctaatt ttccacccaa catgatgnga 240
cgtgagcaat gatcaaattg ctgcggacct taaagagcat gttatcaagc ctgtcattcc 300

<210> 1880
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1880

ttcnaactcn taccgcccag gaaccggtac aagaattccc ggctcgaccc acgcgtcang 60
tacggctgcg agaagacgac agaagggggc agcgcttgat ttgaggccag gcaagcccca 120
ctcaaccacc acacctctcc tcgttcacgc tacccttttc tgctcttctt ctacctttca 180
agttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag 240
ggacaccctg acaagctctg cgaccaaadc tccgatgctg tcctcgacgc ttgcctcgag 300
caggacccag acagcaaagt tgcctgcgaa acatgcacca aaaccaactt ggtcatggtc 360
ttcggagaaa tcacgaccaa ggccaacggt gactacgaga agatagtgcg tgacacctgc 420
aagaacaacc ggtttctccc naattgaatn tgggactgga tgccgacaac tgcaang 477

<210> 1881
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1881

tgcccttggc tgagacctga tggcaagacc caagtcactg ttgagtacta caatgacaag 60
ggtgccatgg ttccaatccg cgtccacact gtgctcatct ccacacagca tgatgagnct 120
gtcacaaatg ntgagattgc agctgatctt aaagaacacg tgattaagcc tgtgattcct 180
gagaagtacc ttgatgagag accattttcca tttgaaccct tccnggcagg ttgtcattgg 240
agggcgggcat ggggatgng 259

<210> 1882

<211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1882

```
ccnggggtcac ntgtttggct ntgccncgga cgagaccccn gnnttgatgc cattgngtca 60
tgttcttgcn actnanctcg gtgctcgtct caccgaggtt cgcnagaacg gaacctgccc 120
ntggttgagg cctgatggga agacccaagt gactgttgag tattacnntg acaacgggtgc 180
catngttcca gttcgtgtcc nactgtgtct tatctccacc caacntgatg ngntgngacc 240
aacgacgaaa ttgc 254
```

<210> 1883
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1883

```
nanactnaat gcacgcgtac gtaagctcgg aattcggctc gagagacagc aaagttgcct 60
gcgaaacatg caccaaaaacc aacttggtca tgggtcttcgg agaaatcacg accaaggcca 120
acgttgacta cgagaagata gtgcgtgaca cctgcaggaa catcggcttc gtctcaaatg 180
atgtgggact ggatgccgac aactgcaagg tcctcgtcaa cattgagcag cagagccctg 240
atattgctca ggggtgtacac ggccacctta ccaaaaaaac 279
```

<210> 1884
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1884

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tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc tcgagccgta tctctctggt 60
ctctttctacc tctcaagttt ttgaagtata gagatggcag agacattcct atttacctca 120
gagtcagtga acgagggaca ccctgacaag ctctgtgacc aaatctctga tgctgtcctc 180
gacgcttgcc tcgaacagga cccagacagc aagggtgcct gcgaaacatg caccaaaaacc 240
aacttggtca tgggtcttcgg agaaatcacg accaaggcca atgttgacta cgagaagata 300
```

gtgctgaca cct 313

<210> 1885
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1885

acgtcgcatg cacgcgtacg tnagctcgga attcggctcg agcttctacc tctcaagttt 60
ttgaagtata gagatggcag agacattcct atttacctca gagtcagtga acgagggaca 120
ccctgacaag ctctgtgacc aaatctctga tgctgtcctc gacgcttgcc tcgaacagga 180
cccagacagc aagggttcct gcgaaacatg caccaaaacc aacttgggtca tgggtcttcgg 240
agaaatcacg accaaggcca atgttgacta cgagaagata gtgctgaca cctgcagga 299

<210> 1886
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1886

nntaannntn agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gaaagtataa 60
agatggcaga gacattccta tttacctcag agtcggtgaa cgagggacac cctgacaagc 120
tctgcgacca natctccgat gctgtcctcg acgcttgcct cgagcaggac ccagacagca 180
aagttgcctg cgaaacatgc accaaaacca acttgggtcat ggtcttcgga gaaatcacga 240
ccaaggccaa cgttgactac gagaagatag tgcgtgacac ctgcaggaac atcggcttcg 300
t 301

<210> 1887
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1887

tnnnnnaact nagttctccg cngcctgna angtaagan gncccgggcc gaccacgcg 60

tccttacggc tgcgagaaga cgacagaagg gggcagcgct tgatttgagg ccaggcaagc 120
 cccactcaac caccacacct ctctcggtt acgctacccc tttctgctct tcttctacct 180
 ttcaagtttt aaaagtataa agatggcaga gacattccta tttacctcag agtcggtgaa 240
 cgaggggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt 300
 cgagcaggac ccagacagca aagttgcctg cgaaacatgc accaaaacca acttggtcat 360
 ggtcttcgga gaaatcacga ccaaggccaa cgttgactac gagaagatag tgcgtgacac 420
 ctgcangaac atcggttctg tctcaaaatg atgtnggact ggattccac aactgcaaag 480
 ncctccnta aaattttgcc anaanccc 508

<210> 1888
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1888

gncgcacgcg tacgtaagct cggaattcgg ctcgagggca ggtttgtcat tggagggccg 60
 catggcgatg ctggtctcac cggccgcaag atcatcatcg acacctatgg aggatggggt 120
 gcacatggtg gtggtgncct tctctgggaa ggatcctacc aaggttgnta ggagtgggtg 180
 ctacattntg aggcaagctg caaagagcat tgttgcaa at ggacttgcta ggagggcaat 240
 tgtgcaagtt tcctatgcc ttggtgtgcc tgagccct 278

<210> 1889
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1889

cnttggtga gacctgatgg caagacccaa gtcantgttg agtactacaa tgacaagggt 60
 gccatggttc caatncgct ccacantgtg cttcatntnc acacagcatg atgagtngt 120
 nanaaatgat gagattgcag ctgatcttaa agaacacgtg attaagcntg tgattnctga 180
 gaagtacctt gatgagaaga ccattttcca tttgaaccct tntgggcagg tttgtcatgg 240
 agggccgcat ggcgattttg gtgtnanggc ngnaagatcc 280

<210> 1890
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1890

```
nncncangcnc gcnnncgtga gctcgggnatt cggctcgagg tttttgangt atagagatgg 60
cagagacatt cctatttacc tcagagtcag tgaacgaggg acaccctgan aagctctgtg 120
accaaattctc tgatgctgtc ctcgacgctt gcctcgnaca ggaccagac agcaagggtg 180
cntgcgaaac atgcaccaaa accaacttgg tgcattggtct tcggagaaat caccaccaag 240
gccaatgttg actacgagaa gatagtgcgt gacacctgca ggaacatcgg ctttgtctca 300
aacgatgtgg 310
```

<210> 1891
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1891

```
cagcangcac gcgtacgtaa gctcgggaatt cggctcgaga ccaacttggn atggtcttcg 60
gagaaatcac gaccaaggcc aacgttgact acgagaagat agtgcgtgac acctgcagga 120
acantcggct tcgtctcaaa tgatgtggga ctggatgccg acaactgcaa ggtcctcgtc 180
aacattgagc agccgagccc tgatattgct cagggtgtac acggccacct taccaaaaaa 240
cctgaagaaa ttggtgctgg tgaccagggt cacatgtttg gctatgcat 290
```

<210> 1892
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1892

```
tttaaactct ccgcggtcag gtaacggten gngaattccc gggncgaccc ancggtccan 60
nccaggcgtc agcccaacgc gtcngtgngg ctgcnagaag annacanaag ggggcagcgc 120
ttgatttnag gccaggcang cccactcat ccancanacc tctcctcgtt cangtnccc 180
```


ctttctgccc ttcttctacc tttcangttt taaaagtata nagatggcag agacattcct 240
 atttacctca gagtcggtga acgagggaca ccctgacaag ctctgctacc aaatctccga 300
 tgctgtcctc gacgcttgcc tcgagcanga cccagacagc naagttgcct gcgaaacatn 360
 caccatancc aacttgggtca tggctcttcgg aganatcacg accaaggcca acgttgacta 420
 cgaagaagat agtgcgtagac acctgcagga acatcngntt cgtctcaaata tatgtgggac 480
 tggatgccan canctgcaag gt 502

<210> 1893
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1893

tcgcntgcac gcgtacgtaa gctcgggaatt cggctcgagn aagttgcctg cganacatgc 60
 accaanacca acttgggtcat ggtcttcgga gaaatcacga ccaaggccaa cgttgactac 120
 gagaagatag tgcgtgacac ctgcaggaac atcggcttcg tctcaaata tgtgggactg 180
 gatgccgaca actgcaaggt cctcgtaaac attgagcngc agagccctga tattgctcag 240
 ggtgtacacg gccaccttac caaaaaacct gaagaaannc ntgctg 286

<210> 1894
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1894

ncgcngcacg cgtacgtaag ctcggaattc ggctcgagca caaagcgggt tactgtctgt 60
 tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt aaaatggccc 120
 aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac aagctctgtg 180
 accagatctc cgatgctgtg ctgatgcat gcttggagca ggaccctgac agcaagggtg 240
 cctgtgaaac ctgcaccaag accaacaatg tgatgggttt cggagagatc acaaccaagg 300
 ccaacgtgga ctatgagaag attgtg 326

<210> 1895
 <211> 304
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1895

 tcgnangcaa gcncngaant cngcncnagc gnnnntagnc nanngtgntt accggcngca 60
 agatcantat cgatacttat nggaggatgn ngtgctcatg gtngtggtgc tttctccggc 120
 aaggacccta ccaagggtga taggagtggg gcttacattg tgagacaggc tgctaaganc 180
 attgtggcaa gtggactngc cagaagggtc attgtgcaag tgtcttatgc cattgggtgtg 240
 cctgagcctt tgtctgtgtt tgttgacacc tatggcactg ganagatccc tgacaaggag 300
 atct 304

<210> 1896
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1896

 ncgtcgcacg cacgcgtacg tnagctcgga attcggctcg agctgtgctt ggctgaggcc 60
 agatggcaag acacaagtaa ctgttgagta ctacaatgac aatggtgcc a tggttccagt 120
 tcgtgtccac actgtcctaa tttccaccca acatgatgac nangtgagca atgaccaa at 180
 tgctgctgac cttaaagagc atgttatcaa gcctgtcatt cctgagaagt acctggatga 240
 gaagaccatc ttccacctta acccttctgg ccg 273

<210> 1897
 <211> 334
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1897

 gtcgcatgca cgcgtacgta agctcggaat tcggctcgag cagcacaaag cgggttactg 60
 ncctgttcaa gctaccatct ctctctctct ttcttagtgc ctcttgcca gaagttaaaa 120
 tggcccaaga aactttccta ttcacatctg aatcagtga cagaggggcac cctgacaagc 180

tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca 240
 aggttgccctg tgaaacctgc accaagacca acatgggtgat ggttttcggg gagatcacaa 300
 ccaaggccaa cgtggactat gagaagattg tgcg 334

<210> 1898
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1898

gtcgcngcac gcgtacgtaa gctcgggaatt cggctcgagn cctcacagag gtttaggaaga 60
 atggcacctg tgcttggttg aggccagatg gtaagacaca agtaaccgtc gagtactaca 120
 atgacaatgg tgccatgggtt ccagttcgtg tccacactgt cctaatttcc acccaacatg 180
 acgacctgtg agccatgatc aaattgctgc ggaccttaaa gancatgtta tcaagcctgt 240
 cattcctgag aagtaccttg atgagaagac catcttccac ttaacccttc tgg 293

<210> 1899
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1899

cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 60
 tataaagatg gcagagacat tcctatttac ctgagagtcg gtgaacgagg gacaccctga 120
 caagctctgc gaccaaactc ccgatgctgt cctcgacgct tgccctcgagc aggaccaga 180
 cancaaagtt gcctgcgaaa catgcaccaa aaccaacttg gttcatgggc ttcggagaaa 240
 tcacgaccaa ggccaacggt gactacgaga agatagtgcg tgacacctgc aggaacatcg 300
 gcttcgtctc aaatga 316

<210> 1900
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1900

ttcctatttta cctcagagtc ggtgaacgag ggacaccctg acaagctctg cgaccaaadc 60
tccgatgctg tcttacgacg cttgcctcga gcaggaccca gacagcaaag ttgcctgcga 120
aacatgcacc aaaaccaact tggatcatggt cttcggagaa atcacgacca aggccaacgt 180
tgactacgag aagatagtag gtnacactgg agganacatg ggcttcgtct naaatgntgn 240
gggactggat cccganaant gaaggtcncg aaaatntga 279

<210> 1901
<211> 285
<212> DNA
<213> Glycine max

<400> 1901

cgctgcacgc gtacgtaagc tcggaattcg gctcgagatg ctgtcctcga cgcttgcctc 60
gagcaggacc cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa cttggatcatg 120
gtcttcggag aaatcacgac caaggccaac gttgactacg agaagatagt gcgtgacacc 180
tgcaggaaca tcggcttcgt ctcaaagatg gtgggactgg atgccgacaa ctgcaagggtt 240
cctcggtcaa cattgagcag cagagccctg atattgctca ggggtg 285

<210> 1902
<211> 282
<212> DNA
<213> Glycine max

<400> 1902

gtcgcatgca cgcgtacgta agctcggaat tcggctcgag caggacccag acagcaaagt 60
tgcttgcgaa acatgcaaaa accaacttgg tcatggtctt cggagaaatc acgaccaagg 120
ccaacgttga ctacgagaag atagtgcgtg acacctgcag gaacatcggc ttctgtctcaa 180
atgatgtggg actggatgcc gacaactgca aggtcctcgt caacattgag cagcagagcc 240
ctgatattgc tcagggtgta cagggccacc ttaccaaaaa ac 282

<210> 1903
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1903

tttactnnnc cngngccatg taanagtana gaagtcccgg gccgaccac gngtcnntac 60
ggctgcgaga agacgacaga agggggcagc gcttgatttg aggccaggca agccccactc 120
aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcna cctttcaagt 180
tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga 240
caccctgaca agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcat 300
gaccagaca gcaaagttgc ctgcgaaaca tgcaccagaa ccaacttggc catggtcttc 360
ggagaaatca cgaccatggg caacgttgac taccagaaga taagtgcgtg acacctgcag 420
gaacatcggn ttctgtctcaa atgatgtggg actggatgcc nacaatctgg anangg 476

<210> 1904

<211> 496

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1904

aactttctgtg ccagnccggt caagaatncc gggctgaccc acgctccgt acggctgcga 60
gaagacgaca gaaggggtacg gctgcgagaa gacgacagag ggggcagcgc ttgatttgag 120
gccaggcaag cccactcaa ccaccacacc tctcctcggt cagctaccc ctttctgctc 180
ttcttctacc tttcaagttt taaaagtata aagatggcag agacattcct atttacctca 240
gagtcggtga acgagggaca ccctgacaag ctctgcgacc aaatctccga tgctgtcctc 300
gacgcttgcc tcgagcagga ccagacagc aaagttgcct gcgaaacatg caccaaaacc 360
aacttgggtca tgggtcttcgg agaaatcacg accaaggcca acgttgacta cgaagaagat 420
agtgcgtgac acctgcagga acatcggtt cgtctcaaat gatgtgggac tgggatgccg 480
acaactgcaa ngtcct 496

<210> 1905

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1905

nannatcgcn tgcacgcgta cgtnagctcg gaattcggct cgagnntgga ttcattctctg 60
atgatgttgg tcttgatgct gacaaatgca aggtgttggc caacattgag cagcagagcc 120
ctgatatcgc ccaggggtgtg cacgggtcact tcaccaagcg ccagaggag gttgggtgctg 180
gtgaccaggg tcacatgttt ggctatgcca ctgatgaaac ccctgagtac atgcccctca 240
gccatnt 247

<210> 1906
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1906

atncacatgt cacangcacg cgtacgtaag ctcggaattc ggctcgagnc tntcncttgt 60
ntgtgnatgc tgacacttat ggcaactgga agatccctga caaggaaatc ctcagnattg 120
tgaaggagag ttttgacttc aggcctgggn tgatctccat caaccttgnt ctcaagaggg 180
gtggaaatgg caggttcttg aagactgctg catatggnc ctttggcaga natgaccnng 240
acttcacatg ggaantggtn angcgactca aggggganna ggtaccagct tanctanaag 300
ggntccct 308

<210> 1907
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1907

ancgnactgc acgcgtacgt aagctcgga ttcggctcga gaaagtataa agatggcaga 60
gncattccta tttaacctcag agtcggtgaa cgagggacac cctgacaagc tctgcgacca 120
aatctccgat gctgtcctcg acgcttgctt cgagcaggac ccagacagca aagttgcttg 180
cgaaacatgc accaaaacca acttgggtcat ggtcttcgga gaaatcacga ccaaggccaa 240
cgttgactac gagaagatat ngngtgacac ctgcaggaac atcggtctcg tc 292

<210> 1908
<211> 300
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1908

```
agtcgcangc acgcgtacgt aanctcggaa ttcggctcga ggtttggcta tgccactgta 60
tgaaaccctt gagtacatgc ccctcagcca tgtccttgca accaaactcg gtgctcgcct 120
caccgaggtt aggaaaaatg gtacctgtgc ttggctgagg ccagatggca agacacnagt 180
aactgttgag tactacaatg acaatgggtgc catgggtcca gttcgtgtcc aactgtcct 240
aatntncacc caacatgatg anncngtgag caatgaccaa attgctgctg gaccttaaag 300
```

<210> 1909

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1909

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atttcaggtg gtcttatagg ccaanaatga cgtaagacgc acgcgtncgt aanctcggaa 60
ttcggctcga gggccanggc aagccccact caaccaccac acctctcttc gttcacgcta 120
cccctttctg ctcttcttct acctttcaag ttttaaaagt ataaagatgg cagagacatt 180
cctatttacc tcagagtcgg tgaacgaggg acacctgac aagctctgcg accaaatctc 240
cgatgctgtc ctcgacgctt gcctcgagca ggacccanac agcaaagttg cctgcgaaac 300
atgcacaaaa accaacttgg ncatgggtctt cggagaaatc acgaccaagg ccaacgttga 360
ctacgagaag atagtgcgtg acacctgcag gaacatcggg cttcgtctca aatgatgtgg 420
gactggatgc cgacaantgc aangttctcg tcaacant 458
```

<210> 1910

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1910

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ngnncangc ncgcntacgt nanctcggaa ttcggctcga gctaccatct tctctctctc 60
ttnccttagtg cctccttgcc agangtnaaa atggcccaag aaacttncct atncacatct 120
gantcagtga acgaggggca ccctgacaag ctctgtgacc agatctccga tgctgtgctc 180
```

gntgcatgct tggagcagga ccctgacagc aagggtgcct gtgaaacctg caccaagacc 240
 aacatggtga tggtttttcgg agagatcaca accaaggcca acgtggacta tgagaagatt 300
 gtgcgtga 308

<210> 1911
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1911

cgtgtacgta agctcggaat tcggctcgag aagtttttga agtatagaga tggcagagac 60
 attcctatatt acctcagagt cagtgaacga gggacaccct gacaagctct gtgaccaaatt 120
 ctctgatgct gtcctcgacg cttgcctcga acaggaccca gacagcaagg ttgcctgcga 180
 aacatgcacc aaaaccaact tggatcatggt cttcggagaa atcacgacca aggccaatgt 240
 ngactacgag aagatagtgc gtgacactgc aggacatngg tttgtccnaa cgngnggncn 300
 gncccc 306

<210> 1912
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1912

aatgncaaac tncncagccg ncctgncnng gtcataagggn ccgaacngacc cgtccnaacc 60
 acgnatccgc tgnacantgn gcngacgcgt gggctgcnag aagacgacag aagggggcag 120
 cgcttgatatt gaggccaggc aagccccact caaccaccac acctctcctc gttcacgcta 180
 cccctttctg ctcttcttct acctttcaag ttttaaaagt ataaagatgg cagagacatt 240
 cctattttacc tcagagtcgg tgaacgaggg acacctgac aagctctgcg accaaatctc 300
 cgatgctgtc ctgcagcgtt gcctcgagca ggaccacagac agcaaagtgt cctgcgaaac 360
 atgcacaaaa accaacttgg tcatggtctt cggagaaatc acgaccaang ccaacgttga 420
 ctacgagaag atagtgcntg acacctgcac ggaaatnggg ttctctcaa ttaatttggg 480
 acgggtttcc cnaaaactnc aagg 504

<210> 1913
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1913

tcnatgcacg cgtacgtaag ctcggaattc ggctcgagtc aaggtgtgca cggccacctt 60
 cacaaagagg cctgaggaga ttggtgctgg tgaccaaggt catatgttcg gctatgccac 120
 tgacgagact cccgagctca tgcccttgag ccatgtcctt gccacgaagc cggtgccaag 180
 ctcaccgagg ttcggaagaa cgggacatgc ccttggtgta gacctgatgg caagacccaa 240
 gtcactgttg agtactacaa tgacaagggg gccatgggtc caatccgcg 289

<210> 1914
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1914

gnattgnagt acgcgtacgt nagctcggaa ttcggctcgn ggacttaaca acaacncana 60
 gnggggttann gtctgttcaa gctaccatct ctctctctct ttcttagtgn ctcccttgca 120
 gaagttaana tggcccaaga nactttccta ttcacatctg aatcagtga cgagggggcac 180
 cctgacaagc tctgtgacca natctccgat gctgtgctcg atgcatnctt ggagcaggac 240
 cctgacagca aggttgctg tgaaacctgc accaanaacna acatggtgat tgttttcgga 300
 gagatcaca ccaaggccaa cgttgactat gagaagattg tgcnt 345

<210> 1915
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1915

gtcgcatgca cgcgtacgta agctcggaa tccgctcgag cttacaaca gcacaaagcg 60
 ggttactgtc tgttcaagct accatctctc tctctcttct ntagtgctc cttgccagaa 120

gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
atcacaacca aggccaacgt ggactatgag a 331

<210> 1916
<211> 244
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1916

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc caaggccaac gtagactatg 60
aaaagattgt ccgcgacaca tgccgcgaaa ttggattcat ctctgatgat gttgggtcttg 120
atgctgacaa atgcaagggtg ttggatcaaca ttgagcaaca gagcccggat atcgcccagg 180
gtgtgcacgg ccacttcacc aagcgcccag aggagggttg tgctgggtgac cagggtcacn 240
tggt 244

<210> 1917
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1917

nnngtngcat gcncgcgtac gtaagctcng nntncggctc tntgcctata tcgtgagnca 60
ggctgcnaag agtggttggtg naaatggcct tgccagaagg tgcatgtgcc nagtttccta 120
tnccattggt gtccctgagc ccttgtcagt gtttatggac acttatggaa ctgggaanat 180
tcctgacaag gngattcttc aaattgtgna ggagaatttc gatttcagac ctggaatgat 240
caccattaac ttggacctta agaggggtgg ccataggttc ctcaagacag 290

<210> 1918
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1918

nnaagttnan gcacgcntac gtaagctcgg aattcggctc gaggttactg tctgttcaag 60
ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat ggcccaagaa 120
actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagct ctgtgaccag 180
atctccgatg ctgtgctcga tgcattgctt gagcaggacc ctgacagcaa ggttgccctgt 240
gaaacctgca ccaagaccaa catgggtgatg gttttcggag agatcacaac caaggccaac 300
gtggactatg agaa 314

<210> 1919
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1919

tattcnnnac gtcgcatgca cgcgtacgta agctcggaat tcggctcgag cactctctct 60
gctcttcttc tacctttcaa gtttttaaag tattaagatg gcagagacat tcctatttac 120
ctcagagtca gtgaacgagg gacaccctga caagctctgc gaccaaactc ccgatgctgt 180
cctcgacgct tgccttgaac aggaccacaga cagcaagggt gcctgcgaaa catgcaccaa 240
gaccaacttg gtcattggtc tcggagagat caccaccaag gccaacgttg actacgagaa 300
gatcgtgcgt g 311

<210> 1920
<211> 281
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1920

ngcangcacg cgtacgtaag ctcggaattc ggctcgaggc ctcgagcagg acccagacag 60
caaagttgcc tgcgaaacat gcacaaaaac caacttggtc atggtcttcg gagaaatcac 120
gaccaaggcc aacgttgact acgagnagat agtgcgtgac acctgcagga acatcggtt 180
cgtctcaaat gatgtgggac tggatgccga caactgcaag gtctcgtca acattgagca 240
gcaganccct gatattgctc aggggtgtnc ccggccacct t 281

<210> 1921
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1921

tccgaagtct cangcacgcg tacgtaagct cggaattcgg ctcgagntac ctatgggtggg 60
 tgggggtgctc atgggtggagg tgccttttca gggaaggacc ctaccaaggt tgacagaagt 120
 ggtgcctata tcgtgaggca ggctgcaaag agtggttggtg caaatggcct tgccnaaang 180
 gtgcnntggc cnangttttn aaggccatng gtgtccctga gcccttgta gtgtttgtgg 240
 acacttatgg aactgggaag attcctgaca agngnttct tcaaattgtg aaggngantt 300
 cngncttcng acntg 315

<210> 1922
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1922

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ggtggaggtg ccttttcagg 60
 gaaggaccct accaaggttg acagaagtgg tgcctatatc gtgaggcagg ctgcaaagag 120
 tgttggtggca aatggccttg cagaaggtgc attgtccaag tttcctatgc cattggtgtc 180
 cctgagccct tgtcagtgtt tgncgacact tatggaactg ggaagattcc tgacaaggag 240
 attcttcaaa ttgtgaagg 259

<210> 1923
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1923

agtcgcatgc acgcgtacgt aagctcgga attcggctcg agacctctca agtttttgaa 60
 gtatagagat ggcagngaca ttcctattta cctcagagtc agtgaacgag ggacaccctg 120
 acaagctctg tgaccaaata tcatgctgtc ctcgacgctt gcctcgaaca ggacccagac 180

agcaaggttg cctgcgaaac atgcaccaaa accaacttgg tcatggtctt cggagaaatc 240
 acgaccaagg ccaatgttga ctacgagaag atagtgcgtg acacctgcag gaacatcggt 300

<210> 1924
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1924

anncgcangc acgcgtacgt aagctcggaa ttcggctcga gtcaagtttn tgaagtatag 60
 agatggcaga gacattccta ttacctcag agtcagtga cgaggacac cctgacaagc 120
 tctgtgacca aatctctgat gctgtcctcg acgcttgctt cgaacaggac ccagacagca 180
 aggttgcttg cgaaacatgc accaaaacca acttgggtcca tggctcttcg agaaatcacg 240
 accaaggcca atgttgacta cgagaagata gtgcgtgaca cctgcaggaa 290

<210> 1925
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1925

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcggctcgag cggctcgagg 60
 gcaaattggc ttgccagaag gtgcattgtc caagtttctt atgccattgg tgtcnctgag 120
 cccttgctag tgtttggtga cacttatgga actgggaaga ttcctgacaa ggagattctt 180
 caaattgtga aggagaattt cgacttcaga cctggaatga tcaccattaa cttggacctt 240
 aagaggggtg gccatagggt cctcaagaca gctgcttatg gacactttgg aagg 294

<210> 1926
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1926

anctttgtac gcgccccagg taccggtaaa ggaattccng gctcgacca cgcgtaagcc 60
 cacgcgtccg tacggctgcg agaagacgac agaagggggc agcgcttgat ttgaggccag 120

gcaagcccca ctcaaccacc acacctctcc tcgttcacgc tacccttttc tgcttttctt 180
ctacctttca agttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc 240
ggtgaacgag ggacaccctg acgagctctg cgaccaaata tccgatgctg tcctcgacgc 300
ttgcctcgag caggaccocag acagcaaagt tgcttgcgaa acatgcacca aaaccaactt 360
ggtcatggtc ttcgagagaaa tcacgaccaa ggccaacgtt gactacgaag aagatagtcg 420
gtgacacctg cangaacatc ggcttcgtct caaatgatgt tggaactgga tgc 473

<210> 1927
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1927

atttnacctt cccgngcccn gtaaaggcca aaganttccc gggncgaccc acgcgtccgc 60
ccacgcgtcc gtacggctgc gagaagacga cagaaggggg gcagcgcttg atttgaggcc 120
aggcaagccc cactcaacca ccacacctct cctcgttcac gctaccctt tctgctcttc 180
ttctaccttt caagttttaa aagtataaag atggcagaga cattcctatt tacctcagag 240
tcggtgaacg agggacaccc tgacaagctc tgcgacaaaa tctccgatgc tgcctcgac 300
gcttgacctg agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaaaccaac 360
ttggtcatgg tcttcggaga aatcacgacc aaggccaacg ttgactacga agaagatagt 420
gcgtgacacc tgcaggaaca tcggcttcgt ctcaaatga tgtgggactg gatgccgaca 480
actgnnangg 490

<210> 1928
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1928

aanagtcgca ngcacgctta cgtnaagctc ggaattcggc tcgagaaagc gggntactgt 60
ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga agttaaaatg 120
goccaaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc tgacaagctc 180

tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc tgacagcaag 240
 gttgcctgtg aaacctgcac caagaccaac atgggtgatgg ttttcggaga gatcacaacc 300
 aaggccaacg tggactatgn 320

<210> 1929
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1929

gtcgcgatgca cgcgtacgta agctcggaat tcggctcgag ggagattctc aacattgtga 60
 aggaaaactt tgatttcagg cctggatatga tctccatcaa ccttgatctc aagaggggtg 120
 gaaataacag gtttttgaag actgctgcct atggacactt tggaagagaa gaccctgact 180
 tcacatggga agtgggtcaaa cccctcaagt gggagaaggc ctaagtaatt cattccactg 240
 ctctatgctg gaagtttttt gagcgttgcc cttataatat gtctaataatc catn 294

<210> 1930
 <211> 304
 <212> DNA
 <213> Glycine max
 <400> 1930

gtcgcgatgca cgcgtacgta agctcggaat tcggctcgag ggagattctc aacattgtga 60
 aggaaaactt tgatttcagg cctggatatga tctccatcaa ccttgatctc aagaggggtg 120
 gaaataacag gtttttgaag actgctgcct atggacactt tggaagagaa gaccctgact 180
 tcacatggga agtgggtcaaa cccctcaagt gggagaaggc ctaagtaatt cattccactg 240
 ctctatgctg gaagtttttt gagcgttgcc cttataatat gtctaataatc cataactttc 300
 cacg 304

<210> 1931
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1931

cgcatgcacg cgtacgtnag ctcggaattc ggctcgagct tctacctctc aagtttttga 60
 agtatagacn ncggcagaga cattccctat ttaccttcag agttcagtga acgagggaca 120
 cnctgacaag ctctgtgacc aaatctctga tgctgtcctc gacgcttgcc tcgaacagga 180
 cccagacagc naggttgcct gcgaaacatg caccaaaacc aacttgggtca tggctcttcgg 240
 agaaatcacg accaaggcca atgttgacta cgagaagata gtgcgtgaca cctgcaggaa 300
 catcggcttt gtctcaaacg a 321

<210> 1932
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1932

cgcatgcacg cgtacgtaag ctcggaattc ggctcgagct tctacctctc aagtttttga 60
 agtatagaga tggcagagac attcctatatt acctcagagt cagtgaacga gggacaccct 120
 gacaagctct gtgaccaaatt ctctgatgct gtcctcgacg cttgcctcga acaggaccca 180
 gacagcaagg ttgcctgcga aacatgcacc aaaaccaact tggatcatggc cttcggagaa 240
 atcacgacca aggccaatgt tgactacgag aaganagtgc g 281

<210> 1933
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1933

natacatgca cgcgtacgta agctcggaat tcggctcgag ctctctgctc ttcttctacc 60
 tttcaagttt ttaaagtatt aagatggcag agacattcct atttacctca gagtcagtga 120
 acgagggaca ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc 180
 ttgaacagga cccagacagc aaggttgcct gcgaaacatg caccaagacc aacttgggtca 240
 tggctcttcgg agagatcacc accaaggcca acgttgacta cgagaagatc gt 292

<210> 1934
 <211> 266

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1934

 ctctgcgncc aaatctccga tgctgtcctc gacgcttgcc ttgaacagga cccagacagc 60
 aaggttgcct gcgaaacatg caccaagacc aacttgggtca tggctcttcgg agagatcacc 120
 accaaggcca acgttgacta cgagaagatc gtgcgtgaca cctgnaggaa catcggcttc 180
 gtctcaancg atgtgggact tgatgctgac aactgccaaag gtncntgnna acattgaggn 240
 nncagagccc tggatattgc ccaggg 266

<210> 1935
 <211> 310
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1935

 cgcnnaaangc gtacgtnagc tcggaattcg gctcgagncg ggttactgtc tgttcaagct 60
 accatctctc tctctctttc ttagtgcttc cttgccagaa gttaaaatgg cccaagaaac 120
 tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctct gtgaccagat 180
 ctccgatgct gtgctcgatg catgcttgga gcaggaccct gacagcaagg ttgcctgtga 240
 aacctgcacc aagaccaaca tggatgatgg tttcggagag atcacaacca aggccaacgt 300
 ggactatgag 310

<210> 1936
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1936

 gtcgcangca cgcgtacgta agctcggaat tcggctcgag gcaacagagt cctgatattg 60
 ctcaaggtgt gcacggccac ctcacaaaga ggctgagga gattggtgct ggtgaccaag 120
 gtcatatgtt cggctatgcc actgacgaga ctcccgagct catgcccttg agccatgtcc 180
 ttgccacgaa gctcggtgcc aagctcaccg aggttcggaa gaacgggaca tgcccttggc 240

tgagacctga tggaccactg ntgantgatt acgatcacga ttaattcggc cccgacagt 299

<210> 1937

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1937

ncnnacgcan gcacgcgtac gtnagctcgg aattcggctc gagctctcaa gtttttgaag 60

tatagagatg gcagagacat tcctatttac ctcagagtca gtgaacgagg gacaccctga 120

caagcttctg tgaccnaaat ctctgatgct gtcctcgacg cttgcctcga acaggaccca 180

gacagcaagg ttgcctgcga aacatgcacc aaaaccaact tggtcatggt cttcggagaa 240

atcacgacca aggccaatgt tgactacgag aagatagtgc gtgacacctg caggaacatc 300

ggctttgtct t 311

<210> 1938

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1938

gatgcacgcg tacgtaagct cggaattcgg ctcgagcaca aagcgggtta ctgtctgttc 60

aagctaccat ctctctctct ctttcttagt gcctccttgc cagaagttaa aatggcccaa 120

gaaactttcc tattcacatc tgaatcagt aacgaggggc accctgacaa gctctgtgac 180

cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag caangttgcc 240

tgtgaaacct gcaccaagac caacatggta tggttttcgg agagatcaca accaaggcca 300

acgtggacta tgagaagat 319

<210> 1939

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1939

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag cggctcgagg cacgctctgc 60

ttccagcgag tgttctttct tcgtttcaac accttaattt gcanacgctg cttcttcccg 120
 cttgagaaat ggcacaagaa acctttctat tcacatctga atctgtaaac gagggtcacc 180
 ccgacaagct gtgcgaccag atctctgatg cagtgcctga tgcgtgcctt gaacaggacc 240
 ctgacagcaa gggtgcctgt gagacatgca ccaagaccaa catggtcatg gtctttggag 300
 agatcacaac caagg 315

<210> 1940
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1940

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggt cttgatgctg acaactgcaa 60
 ggtcctcgtc aacattgagc aacagagtcc tgatattgct caaggtgtgc acggccacct 120
 cacaaagagg cctgaggaga ttggtgctgn tgaccaaggt catatgttcg gctatgccan 180
 tganganact cccgagctca tgcccttgag ccatgtcctt gccacgaagc tcggtgccaa 240
 gtctcaccga ggtnnggnag aacgggacat cccctgggnt gagacntgnt ggcaaagncc 300
 aaa 303

<210> 1941
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1941

tcgctgcacg cgtacgtaag ctcggaattc ngctcgaggc cccactcaac caccacacct 60
 ctccctcgtt acgctacccc tttctgctct tcttctacct ttcaagtttt aaaagtataa 120
 agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac cctgacaagc 180
 tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac ccagacagca 240
 aagttgcctg cgaaacatgc accaaaacca acttggtcat ggtcttcgga gaaatcacga 300
 ccaaggccaa cgttgactac gagaagatag tgcgt 335

<210> 1942
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1942

tcgcangcnc gcgtacgtna gctcgggaatt cggctcgagg ggattctcaa cattgtgaag 60
 gaaaactttg atttcaggcc tggatatgatc tccatcaacc ttgatctcaa gaggggtgga 120
 aataacaggt ttttgaagac tgctgcctat ggacactttg gaagagaaga ccctgacttc 180
 acatgggaag tggtaaacc cctcaagtgg gagaaggcct aagtaattca ttccactgct 240
 ctatgctgga agttttttga gcgttgccct ataatatgtc taata 285

<210> 1943
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1943

ngtctcangc acncgtacgt aagctnggaa ttcggctcna ggtctgttcn ngctaccatc 60
 tctctnctct ctttcttagt gcctccttgc cagaagttaa antggcccaa gaaactttcc 120
 tattcacatc tgaatnagtg aacgagggggc accctgacaa gctctgtgac cagatctccg 180
 atgctgtgct cgatgcatgc ttggagcagg accctgacag canngttgcc tgtgaaacct 240
 gcaccaagac caacatggtg atgggttttcg gagagatcac naccaaggnc aacgtggact 300
 atgagaagat 310

<210> 1944
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 1944

gtcgcacgca cgcgtacgta agctcgggaa ttcggctcga ggtaggttc tgcacgctct 60
 gcttccagcg agtgttcttt cttcgtttca acaccttaat ttgcacacgc tgcttcttca 120
 gcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa cgaggggtcac 180
 cccgacaagc tgtgcgacca gatctctgat gcagtgctcg atgcgtgcct tgaacaggac 240

cctgacagca aggttgcctg tgagacatgc accaagacca acatgggtcat ggtcttttga 300
gagatcacia ccaaggc 317

<210> 1945
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1945

tnngnnngcac gcgtacgtaa gctcgggaatt cggctcgagc ggctcgagtt tgggagttag 60
gttctgcacg ctctgcttcc agcgagtgtt ctttcttcgt ttcaacacct taatttgcac 120
acgctgcttc ttcagcttga gaaatggcac aagaaacctt tctattcaca tctgaatctg 180
taaacgaggg tcaccccgac aagctgtgcg accagatctc tgatgcagtg ctgatgcgt 240
gccttgaaca ggacctgac agcaagggtg cctgtgagac atgcaccaag accaacaatgg 300
tcatgggtctt tggagagatc acaaccaagg c 331

<210> 1946
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1946

nncacgcgta cgtaagctcg gaattcgggt cgagnggagt taggttctgc acgctctgct 60
tccagcgagt gttctttctt cgtttcaaca ccttaatttg cacacgctgc ttcttcngct 120
tgagaaatgg cacaagaaac ctttctattc acatctgaat ctgtaaacga gggtcacccc 180
gacaagctgt gcgaccagat ctctgatgca gtgctcgatg cgtgccttga acaggaccct 240
gacagcaagg ttgcctgtga gacatgcacc aagaccaaca tggatcatggt ctttggagag 300
atcacaacca aggc 314

<210> 1947
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1947

ctcgnatgca cgcgtacgta agctcggaaat tcggctcgag gcacgctctg cttccagcga 60
gtgttctttc ttcgtttcaa caccttaatt tgcacacgct gcttcttcag cttgagaaat 120
ggcacaagaa acctttctat tcacatctga atctgtaaac gagggtcacc ccgacaagct 180
gtgcgaccag atctctgatg cagtgcctga tgcgtgcctt gaacaggacc ctgacagcaa 240
ggttgcctgt gagacatgca ccaagaccaa catggatcatg gtctttggag agatcacaac 300
caaggc 306

<210> 1948

<211> 297

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1948

atgngagtcg cangcncgcg tacgtnagct cggaattcgg ctcgaggnga ttctcaacat 60
tgtgaaggaa aactttgatt tcaggcctgg tatgatctcc atcaaccttg atctcaagag 120
gggtggaaat aacagggtttt tgaagactgc tgcctatgga cactttggaa gagaagaccc 180
tgacttcaca tgggaagtgg tcaaaccctt caagtgggag aaggcctaag taattcattc 240
cactgctcta tgctggaagt tttttgagcg ttgcccttat aatatgtcta atatcca 297

<210> 1949

<211> 217

<212> DNA

<213> Glycine max

<400> 1949

gcgtacgtaa gctcgggaatt cggctcgagg acaaatgcaa ggtgttggtc aacattgagc 60
agcagagccc tgatatcgcc caggggtgtgc acggtcactt caccaagcgc ccagaggagg 120
ttggtgctgg tgaccagggt cacatgtttg gctatgccac tgatgaaacc cctgagtaca 180
tgcccctcag ccatgtcctt gcaaccaaac tcggtgc 217

<210> 1950

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1950

```
agannaangca cgcgtacgta agctcggaat tcggctcgag actctctctg ctcttcttct   60
acctttcaag tttttaaaagt attaagatgg cagagacatt cctatttacc tcagagtcag  120
tgaacgaggg acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt  180
gccttgaaca ggacccagac agcaaggttg cctgcgaaac atgcaccaag accaacttgg  240
tcatggtctt cggagagatc accaccaagg ccaacgttga ctacgagaag a           291
```

<210> 1951
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1951

```
gtcgcanntt ngcgtacgta agctcggaat tcggctcgag actctctctg ctcttcttct   60
acctttcaag tttttaaaagt attaagatgg cagagacatt cctatttacc tcagagtcag  120
tgaacgaggg acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt  180
gccttgaaca ggacccagac agcaaggttg cctgcgaaac atgcaccaag accaacttgg  240
tcatggtctt cggagagatc accaccaagg ccaacgttga ctacgagaag a           291
```

<210> 1952
<211> 319
<212> DNA
<213> Glycine max

<400> 1952

```
gtcgcatgca cgcgtacgta agctcggaat tcggctcgag gttagggttct gcacgctctg   60
cttccagcga gtgttctttc ttcgtttcaa caccttaatt tgcacacgct gcttcttcag  120
cttgagaaat ggcacaagaa acctttctat tcacatctga atctgtaaac gagggtcacc  180
ccgacaagct gtgcgaccag atctctgatg cagtgtctga tgcgtgcctt gaacaggacc  240
ctgacagcaa ggttgccctgt gagacatgca ccaagaccaa catggtcatg gtctttggag  300
agatcacaac caaggccag                                     319
```

<210> 1953
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1953

 gtcgnangca cgcgtacgta agctcggaaat tcggctcgag tctctctgtt ctcttctacc 60
 tctcaagttt ttgaagtata gagatggcag agacattcct atttacctca gagtccagtga 120
 acgagggaca ccctgacaag ctctgtgacc aaatctctga tgctgtcctc gacgcttgcc 180
 tcgaacagga cccagacagc aagggtgcct gcgaaacatg caccaaaacc aacttggtca 240
 tgggtcttcgg agaaatcacg accaaggcca atgttgacta cgagaaga 288

<210> 1954
 <211> 248
 <212> DNA
 <213> Glycine max

 <400> 1954

 acctctcaag tttttgaagt atagagatgg cagagacatt cctatttacc tcagagtcag 60
 tgaacgaggg acaccctgac aagctctgtg accaaatctc tgatgctgtc ctcgacgctt 120
 gcctcgaaca ggacccagac agcaagggtg cctgcgaaac atgcaccaaa accaacttgg 180
 tcatggtctt cggagaaaac acgaccaagg ccaatgttga ctacgagaag atatgcgtga 240
 cactgcag 248

<210> 1955
 <211> 309
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1955

 cgcangcacg cgtacgtnag ctccgaattc ggctcgagnt ttgaaccctt ctggcaggtt 60
 tgtcattgga gggccgcatg gngatgctgg tctcaccggc ngcaagntca ncatcgacac 120
 ctatgntcng atggggtgca catggtggtg gtgccttctn tgggaaggat ccgccaangt 180
 tgataggagt ggtgcctaca ttgtgaggca agctgcaaag agcattgttn caaatggant 240
 tgctaggagg gcaattgtgc aagtttcta tgccattggt gtgcctganc cntgtctgtg 300

nttgtnac

309

<210> 1956
<211> 292
<212> DNA
<213> Glycine max

<400> 1956

cgtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gggaggaggt gccttttcag 60
ggaaggaccc taccaagggt gacagaagtg gtgcctatat cgtgaggcag gctgcaaaga 120
gtgttggtggc aaatggcctt gccagaaggt gcattgtcca agtttcctat gccattggtg 180
tccctgagcc ctgtcagtggt ttgtggacac ttatggaact gggaagattc ctgacaagga 240
gattcttcaa atgtgaagga gaattcgact tcagacctgg aatgatcacc at 292

<210> 1957
<211> 317
<212> DNA
<213> Glycine max

<400> 1957

tgcattgcacg cgtacgtaag ctccgaattc ggctcgagta acaacagcac aaagcggggt 60
actgtctgtt caagctacca tctctctctc tctttcttag tgcttccttg ccagaagtta 120
aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg caccctgaca 180
agctctgtga ccagatctcc gatgctgtgc tcgatgcatt cttggagcag gaccctgaca 240
gcaagggttg ctgtgaaacc tgcaccaaga ccaacatggt gatggttttc ggagagatca 300
caaccaaggc caacgtg 317

<210> 1958
<211> 219
<212> DNA
<213> Glycine max

<400> 1958

tagtgctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
atgcttgag caggaccctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180

ggtgatggtt ttcggagaga tcacaaccaa ggccaacgt 219

<210> 1959
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1959

togatgcacn cgtacgtgag ctcggaattc ggctcgaggc gggtnnctgt ctgttcaagc 60
 taccatctct ctctctcttt cttagtgcct ccntgccaga agttaaaatg gcccaagaaa 120
 ctttcttatt cacatctgaa tcagtgaacg agggggcacc tgacaagctc tgtgaccaga 180
 tctccgatgc tgtgctcgat gcatgcttgg agcaggacc tgacagcaag gttgcctgtg 240
 aaacctgcac caagaccaac atggtgatgg ttttcggaga ggtcacaacc aaggccaacg 300
 tggatatgan aagattgtgc gtgac 325

<210> 1960
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1960

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gcacaaagcg ggttactgtc 60
 tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa gttaaaatgg 120
 cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctct 180
 gtgaccagat ctccgatgct gtgctcgatg catgcttggg gcaggaccct gacagcaagg 240
 ttgcctgtga aacctgcacc aagaccaaca tgggtgatgg ttttcggagag atcacaacca 300
 aggccaacgt ggactn 316

<210> 1961
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1961

ggnnnnnnnn aatttactct gcccgncagg tacangtaca gaattcccgg ntcgaccac 60
 gcgtcagtac ggctgcgaga agacgacaga agggggcagc gcttgatttg aggccaggca 120
 agccccactc aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta 180
 cctttcaagt tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt 240
 gaacgagggg caccctgaca agctctgcca ccaaactctc gatgctgtcc tcgacgcttg 300
 cctcgagcag gaccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa ccaacttggt 360
 catggtcttc ggagaaatca cgaccaangc caacgttgac tacganaaga tatgctgac 420
 acctgcaagg aacatcggct tctctcaaat gatgttggga ctggatgccg acaactgcaa 480
 ggtctcgtca acatt 495

<210> 1962
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1962

agtcgcngca cgcgtacgta aactcggaaat tcggctcnag cnaggttgat aggnatggtg 60
 cttacattgt gagacaggct gctaaganca ttgtggcaag tggacttgcc agaaggcgca 120
 ttgtagcaag tgtcttancg cattggtgtg cctgagcctt tgtctgtgtt tnttgacacc 180
 tatggcactg ggaagatcca tgataaggag attctcaaca ttgngaagga aaactttgat 240
 ttcangcctg gnatgatctc catcaacctt 270

<210> 1963
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1963

tgcacaaaaa ccaacttggt catggtcttc ggagaaatca cgancaaggc caacgnttga 60
 ctacggagaa gnnatgcgnt gaacacctgg caggncatc ggcttcgtct caaatnangt 120
 gggactgccn tgccgacaac tgcaaggctc tcgtcaacat tgagcagcag agccctgata 180
 ttgctcaggg tgtacacggc caccttacca aaaaacctga agaaattggt gctggtgacc 240

agggtcacat gtttggcnat gccactgatg aaaccctga ct 282

<210> 1964
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1964

nngttcntgc acgcgtacgt cagctcggaa ttcggctcga ggcgggttac tgtctgttca 60
 agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa atggcccaag 120
 aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag ctctgtgacc 180
 agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc aagggttgct 240
 gtgaaacctg caccaagacc aacatggtga tggttttcgg agagntnaca accaaggcca 300
 acgtgg 306

<210> 1965
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1965

gcangcacgc gtacgtaagc tcggaattcg gctcgaggac ttaacaacag cacaagcgg 60
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag 120
 ttaaaatggc ccaagaaact ttctattca catctgaatc agtgaacgag gggcaccctg 180
 acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgag caggaccctg 240
 acagcaaggt tgctgtgaa acctgcacca agaccaacat ggtgatggtt ttcggagaga 300
 ncacaaccaa ggccaag 317

<210> 1966
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1966

tcgtangtaa gctcggatt cggtcgagg cgggncaactg tctgttcaag ctaccatctc 60

tctctctctt tcttagtgcc tccttgccag aagttaaaat ggcccaagaa actttcctat 120
 tcacatctga atcagtgaac gagggggcacc ctgacaagct ctgtgaccag atctccgacn 180
 ctgtgctcga tgcattgcttg gancaggacc ctgacagcaa gggtgcctgt gaaacctgca 240
 ccaagaccaa catggtgatg gttttcggag agatcacaac caaggccaac gtggat 296

<210> 1967
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 1967

acgtcgcattg ctacgctacg taagctcggg attcggctcg agcacaagc gggttactgt 60
 ctgttcaagc taccatctct ctctctcttt cttagtgctt ccttgccaga agttaaatag 120
 gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc tgacaagctc 180
 tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc tgacagcaag 240
 gttgcctgtg aaacctgcac caagaccaac atggtgatgg ttttcggaga gatcacaacc 300
 aaggccacgt ggactatg 318

<210> 1968
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1968

gtcncatgca cgcgtacgta agctcggaaat tcggctcgag acagcacaaa gcgggttact 60
 gtntgttcaa gctaccatct ctctctctct ttcttagtgc ctcttgcca gaagttaaaa 120
 tgggccaag aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag 180
 ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc 240
 aagggtgcct gtgaaacctg caccaagacc aacatggtga tggttttcgg agagatcaca 300
 accaaggcca acg 313

<210> 1969
 <211> 291
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1969

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ncgtcgcacg cagcgcgtacg taagctcggga attcggctcg agngcagttt taaaagtata 60
aagatggcag agacattcct atttacctac agagtcgggtg aacgagggac accctgacaa 120
gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag 180
caaagttgcc tgcgaaacat gcacaaaaac caacttggtc atggtcttcg gagaaatcac 240
gaccaaggcc aacgttgact acgagaagat agtgcgtgac acctgcagga a 291
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<210> 1970

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1970

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ntgcantnac gcgtacgtaa gctcgggaatt cggctcnagn cagacttaac aacagcacaa 60
agcgggttac tgtctgttca agctaccatc tctctcncct ctttcttagt gcctccttgc 120
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
accctgacag caaggttgcc tgtgaaacct gcancaagac caacatgggtg atggttttcg 300
gagagatcac aaccaaggcc aacgtgg 327
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<210> 1971

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1971

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tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc cacaccactc tctctgnntc 60
ttcttctacc tttcaagtnt ttaaagtatt aagatggcag agacattcct atttacctca 120
gagtcagtga acgaggggaca ccctgacaag ctctgcgacc aaatctccga tgctgtcctc 180
gacgcttgcc ttgaacagga cccagacagc aaggttgctt gcgaaacatg caccaagacc 240
aacttggtca tgggtcttcgg agagatcacc accaaggcca acgttgacta cgag 294
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<210> 1972
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1972

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag ntttcaagtt tttaaagtat 60
 taagatggca gagacattcc tatntacctc agagtcagtg aacgagggac accctgacaa 120
 gctctgacgac caaatctccg atgctgtcct cgacgcttgc cttgaacagg acccagacag 180
 caagggttgcc tgcgaaacat gcaccaagac caacttggtc atggtcttcg gagagatcac 240
 caccaaggcc aacgttgnet acgagaagtc gtgcgtgaca ctgaggaaca tcg 293

<210> 1973
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1973

tcgcngcacg cgtacgtaag ctcggaattc ggctcgagcg agccatttgg gagttagggtt 60
 ctgcacgctc tgcttccagc gagtgttctt tcttcgnttc aacaccttaa tttgcacacg 120
 ctgcttcttc agcttgagaa atggcacaag aaacctttct attcacatct gaatctgtaa 180
 acgaggggtca ccccgacaag ctgtgacgacc agatctctga tgcagtgtc gatgcgtgcc 240
 ttgaacagga ccctggacag caagggttgcc tgtgagacat gcaccaagac caacatggtc 300
 atggtctttg gagagatcac aaccaaggcc aacgtagat 339

<210> 1974
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1974

gtcgcntgca cgcgtacgta agctcggaat tcggctcgag gctacccctt tctgctcttc 60
 ttctaccttt caagttttta aagtataaag atggcagaga catttctatt tacctcagag 120

tcggtgaacg agggacaccc tgacaagctc tgcgaaccaa atctccgatg ctgtcctcga 180
cgcttgccctc gagcaggacc cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa 240
cttggtcatg gtcttcggag aaatcacgac caaggccaac gttgactacg agaagatagt 300
gcgtgac 307

<210> 1975
<211> 316
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1975

anacgcangc angcgtacgt aagctcggaa ttcggctcga gcaagcccca ctcaaccacc 60
acaccactct ctctgctctt cttctacctt tcaagttttt aaagtattaa gatggcagag 120
acattcctat ttacctcaga gtcagtgaac gagggacacc ctgacaagct ctgcgaccaa 180
atctccgatg ctgtcctcga cgcttgccctt gaacaggacc cagacagcaa ggttgccctgc 240
gaaacatgca ccaagaccaa cttggtcatg gtcttcggag agatcaccac caaggccaag 300
ttgactacga gaagat 316

<210> 1976
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1976

gtcgcangca cgcgtacgta agctcggaa ttcggctcgag acttaacaac agcacaaagc 60
gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc 240
tgacagcaag gttgcctgtg aaacctgcac caagaccaac atggtgatgg ttttcggaga 300
gatcacaacc aaggc 315

<210> 1977
<211> 316
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1977

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gacttaacaa cagcacaaag 60
cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctt gagcaggacc 240
ctgacagcaa gggtgcctgt gaaacctgca ccaagaccaa catggtgatg gttttcgag 300
agatcacaac caaggc 316

<210> 1978

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1978

nnagangcac gnacaacgta agctcggaat tcggctcgag caacagcaca aagcgggtta 60
ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc cagaagttaa 120
aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa 180
gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag 240
caaggttgcc tgtgaaacct gcaccaagac caacatggtg atggttttcg gagagatcac 300
aaccaaggc 309

<210> 1979

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1979

natgnntacg tnagctcgga attcggctcg agcagcacia agcgggttac tgtctgttca 60
agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa atggcccaag 120
aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag ctctgtgacc 180
agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc aaggttgcct 240

gtgaaacctg caccaagacc aacatggtga tggttttcgg agagatcaca accaaggc 298

<210> 1980

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1980

tcgcangcac gcgtacgtaa nctcggaatt cggctcgagn ttgggagtta ggttctgcac 60

gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca cacgctgctt 120

cttcagcttg agaaatggca caagaaacct ttctattcac atctgaatct gtaaacgagg 180

gtcaccgccga caagctgtgc gaccagatct ctgatgcagt gctcgatgcg tgccttgaac 240

aggaccctga cagcaagggt gcctgtgaga catgcaccaa gaccaacatg gtcatgggtct 300

ttggagagat caca 314

<210> 1981

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1981

gtcgcgatgca cgcgtacgta agctcggaat tcgggctcga gcttaacaac agcacaaagc 60

gggttactgt ctgttcaagc taccatntct ctctctcttt cttagtgcct ccttgccaga 120

agttaaaatg gcccaagnaa actttcctat tcacatctga atcagtgaac gaggggcacc 180

ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctt gagcaggacc 240

ctgacagcaa gggtgcctgt gaaacctgca ccaagaccaa catggtgatg gttttcggag 300

agatcacaaac caaggccaac gtggn 325

<210> 1982

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1982

gtcgcangca cgcgtacgta agctcggaat tccggtcagag nttgggagtt aggttctgca 60
cgctctgctt ccagcgagtg ttctttcttc gtttcaacac cttaatttgc acacgctgct 120
tcttcagctt gagaaatggc acaagaaacc tttctattca catctgaatc tgtaaacgag 180
ggtcaccccg acaagctgtg cgaccagatc tctgatgcag tgctcgatgc gtgccttgaa 240
caggaccctg acagcaaggt tgcctgtgag acatgcacca agaccaacat ggtcatggtc 300
tttgagaga tcaca 315

<210> 1983
<211> 298
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1983

gtcgcagca cgcgtacgta agctcggaat tccggtcagag cctcagccat gtccttgcaa 60
ccaaacttgg tgctcgctc acagaggta ggaagaatgg cacctgtgct tggttgaggc 120
cagatggtaa gacacaagta accgtcgagt actacaatga caatgggtgcc atggttccag 180
ttcgtgtcca cactgtccta atttccaccc aacatgatgn ncctgtgagc aatgatcaaa 240
ttgctgcgga cttaaaggca tgttataaac ctgncatccn ggaaaataact tgnaggaa 298

<210> 1984
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1984

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gctaccatct ctctctctct nnccttagtg cctccttgcc agaagttaaa atggcccaag 120
aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag ctctgtgacc 180
agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc aagggttgct 240
gtgaaacctg caccaagacc aacatggtga tggttttcgg agagatcaca accaaggcc 299

<210> 1985
<211> 306
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1985

ncgtnncntn nagctcggaa ttcggctcga gcttaacaac agcacaaagc gggttactgt 60
ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga agttaaaatg 120
gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc tgacaagctc 180
tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc tgacagcaag 240
gttgctgtg aaacctgcac caagaccaac atgggtgatgg ttttcggaga gatcacaacc 300
aaggcc 306

<210> 1986

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1986

gtcncatgca cgcgtacgta agctcggnat tcggctcgag aagcggggtta ctgtctgttc 60
aagctaccat ctctctctct ctttcttagt gcctccttgc cagaagttaa aatggcccaa 120
gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa gctctgtgac 180
cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag caagggttgc 240
tgtgaaacct gcaccaagac caacatggtg atggttttcg gagagatcac aaccaaggcc 300

<210> 1987

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1987

gaaccgtngc tggtacgtaa gctcgggaatt cggctcgagg cagacttaac aacagcacia 60
agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
ccctgacagc aaggttgctt gtgaaacctg caccaagacc aacatggtga tggttttcgg 300

agagatcaca accaaggcc

319

<210> 1988

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1988

gnannngcac gcgtacgtaa gctcggaatt cggctcgaga acaacagcac aaagcgggtt 60

actgtctgtt caagctacca tctctctctc tctttcttag tgcctccttg ccagaagtta 120

aatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg caccctgaca 180

agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag gaccctgaca 240

gcaaggttgc ctgtgaaacc tgcaccaaga ccaacatggt gatggttttc ggagagatca 300

caaccaaggc c 311

<210> 1989

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1989

ctngcangca gcgtacgtaa gctcggaatt cggctcgagg cagacttaac aacagcacia 60

agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120

agaagttaaa atgggcccac ganactttcc tntcacatc tgaatcagt aacgaggggc 180

accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240

accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atggttttcg 300

gagagatcac aaccaaggcc aacgtggact a 331

<210> 1990

<211> 319

<212> DNA

<213> Glycine max

<400> 1990

tcaacagtcg catgcacgcg tacgtaagct cggaattcgg ctcgagaaca acagcaciaa 60

gcggggttact gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctccttgcca 120
gaagttaaaa tggcccaaga aactttccta ttcacatctg aatcagtga cgagggggcac 180
cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac 240
cctgacagca aggttgcttg tgaaacctgc accaagacca acatgggtgat ggttttcggg 300
gagatcacia ccaaggccc 319

<210> 1991
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1991

ntaangcacg cgtacgtaag ctcggaattc ggctcgaggg acaaatgcaa ggtgttggtc 60
aacattgagc aacagagccc ggatatcgcc caggggtgtgc acggccactt caccaagcgc 120
ccagaggagg ttggtgctgg tgaccagggg ccatgtcac angtatgcca ncgatgncac 180
ccccgagtac atgcccctca gccatgtcct tgcaacccaaa cttggtggnt cgccncacag 240
aggttaggag aattgcactg tgcttggttg aggccagatg gtaagaca 288

<210> 1992
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1992

nncncngcac gcgtacgtng ctcggaattc ggctcgagct taacaacagc acaaagcggg 60
ttactgtctg ttcaagctac catctctctc tctctttctt agtgccctct tgccagaagt 120
taaaatggcc caagaaactt tcctattcac atctgaatca gtgaacgagg ggcaccctga 180
caagctctgt gaccagatct ccgatgctgt gctcgatgca tgcttggagc aggaccctga 240
cagcaagggt gcctgtgaaa cctggcacca agaccaacat ggtgatgggt ttcggagaga 300
tcacaaccaa ggccaagtgg actatgagaa gat 333

<210> 1993
<211> 325

<212> DNA
<213> Glycine max

<400> 1993

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagg ttgagaccaa gacacactcg 60
ttcatatatac tctctgctct tctcttctct tctacctctc aagtttttga agtataaaga 120
tggcagagac attcctattc acctcggagt cagtgaacga gggacaccct gataagctct 180
gcgaccaatc tccgatgctg tcctcgacgc ttgcctcgaa caggaccag acagcaaggt 240
tgcttgcgaa acatgcacca agaccaactt ggtcatggtc ttcggagaga tcaccaccaa 300
ggccaacgtt gactacgaga agatc 325

<210> 1994
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1994

acgtcgcattg cacgcgtacg taagctcggga attcggctcg aggttactgt ctgttcaagc 60
taccatctct ctctctcttt cttagtgcct ccttgccaga agtaaaaatg gcccaagaaa 120
ctttcctatt cacatctgaa tcagtgaacg aggggcaccc tgacaagctc tgtgaccaga 180
tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc tgacagcaag gttgcctgtg 240
aaacctggca ccaagaccaa catggtgatg gttttcggng agatcacaac caaggccaag 300

<210> 1995
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1995

gcgtacgtaa gctcgggaatt cggctcgagn aagcnccact tcaaccacca cacnactctc 60
tctgctcttc ttctaccttt caagttttta aagtattaag atggcagaga cattcctatt 120
tacctcagag tcagtgaacg agggacaccc tgacaagctc tgcgaccaa tctccgatgc 180
tgtcctcgac gcttgcttgg aacaggaccc agacagcaag gttgcctgcg aaacatgcac 240
caagaccaat tggatcatggc cttcggagag atcaccacca aggccaagtt gactacgaga 300

agatcgtgcg tgacactgca gg

322

<210> 1996

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1996

tgggagttag gttctgcacg ctctgcttcc agcgagtgtt ctttcttcgt ttcaacacct 60
taatttgcac acgctgcttc ttcagcttga gaaatggcac aagaaacctt tctattcaca 120
tctgaatctg taaacgaggg tcaccccgac aagcgtgcga ccagatctct gatgcagtgc 180
tcgatgcgtg ccttgaacag gaccctgaca gcaagggttg ctgtgagaca tgcaccaaga 240
ccaacatggg catggtcttt ggagagatca caaccaaggc aacgtagata tgagaagatg 300
tcgtgnacat gcgcgaattg g 321

<210> 1997

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1997

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgan ctcgagccga ttcggctcga 60
ggccttttca gggaaggacc ctaccacngg ttgacagaag tgaccgccta tattgtaagg 120
cagnctgcaa agagtgttcg tgggcaaattg gccttgntag aagggtgcatt gtgcaagttt 180
cctatgccat tgggtgtccct gagcccttgt cagtgtttgt ggacncttat ggaactggga 240
agattcctga caaggagatt ctgcaaattg tgaaggagaa tttcgacttc agacctggna 300
tga 303

<210> 1998

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1998

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ncagacttaa caacagcaca 60
aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatgggtg atggttttcg 300
gagagatcac naccaaggcc aacgtggg 328

<210> 1999
<211> 305
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1999

tcgcanaent acgcncggaa tctcggcncg anaacagcac aaagcgggtt actgtctgtt 60
caagctacca tctctctctc tctntcttag tgcctccctt gccagaagtt aaaatggccc 120
aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac aagctctntg 180
accagatctc cgatgctgtg ctcgatgcat gcttgagca ggaccctgac agcaangttg 240
cctgtgaaac ctgcaccaag accaakatgg tgatngtttt cggagagatc acaaccaagg 300
cnccg 305

<210> 2000
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2000

gtcgcangca cgcgtacgta agctcggaat tcggctcgag cttacaaca gcacaaagcg 60
ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa 120
gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
atcacaacca ggccaagtgg a 321

<210> 2001
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2001

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gtcgcacgca cgcgtacgta agctcgggaa ttcggctcga ggtgatttgg gagtttggag 60
cgactgaact aatcattaat ttgcactcgc tgtttcagct tcatcacctt tcttttgcac 120
catttatatc tcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa 180
cgaggggtcac cccgacangc tgttcnanca gatctctgat gcagtacttg atgcgtgcct 240
tgaacaggac cctgacagca aggttgcttg tgagacatgc accaagacca acatgggtcat 300
ggtcttcgga gagatcacia ccaaggc 327
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<210> 2002
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2002

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ntcgnatncn agcntangtn agnnttcggn tcgagatttg ggagtttaggt tctgcacgct 60
ctgcttccag cgagtgttct ttcttcgttt caacacctta atttgcaaac gctgctttct 120
tcngcttgag aaatggnaca agnnaccttt ctattcacat ctgaatctgt aaacgagggg 180
caccgagaca anctgtgcga ccagatctct gatgcagtgc tcgatgcgtg ccttgaacag 240
gacnctgaca gcaagggttg ctgtgagaca tgcaccaaga ccaacatggt catggtcttt 300
gganagatca caacca 316
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<210> 2003
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2003

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ccncnngccn acccntngnc nncntntcng tcgnngnnnc gtacgtnagc tcggnattcg 60
gctcnggccn agccccactc aaccaccaca ccactctctc tgctcttctt ctacctttca 120
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ngttttttaa gtattaagat ggcagagaca ttcctattta cctcagagtc agtgaacgag 180
ggacaccctg acaagctctg cgaccaaata tccgatgctg tcctcgacgc ttgccttgaa 240
caggacccag acagcaaggt tgcctgcgaa acatgcacca agaccaactt ggtcatggtc 300
ttcggagaga tcaccaccaa ggccaacgtt gact 334

<210> 2004
<211> 216
<212> DNA
<213> Glycine max

<400> 2004

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
atgcttgag caggaccctg acagcaaggt tgctgtgaa acctggcacc aagaccaaca 180
tggatgatgg tttcggagag atcacaacca aggcca 216

<210> 2005
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2005

gnacgacgca ngcacgcgta cgtnagctcg gaattcggct cgagctcatg gtgatgctgg 60
tctcactgga agaaagatca tcattgatac ctatgggtggg tggggtgctc atgggtggagg 120
tgccttttca gggaaggacc ctaccaaggt tgncagaagt ggtgcctata tcgtgaggca 180
ggctgcaaag agtgtnngtg gcaaattggc ttgccagaag gtgcattgtc caagtttctt 240
atgccattgg gtgtccctga gccctngtca gnggtnggtg gacattatgg nncntgggaa 300
nttcctcaca aggggtttt 319

<210> 2006
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2006

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tcgagccgct cgagccgatt	60
cggctcgagg tggccctcat ggtgntgctg gtctcactgg accgaaagat acntcattga	120
tacctatggt ggggtggggac ctcatggtgg aggtgccttt tcaggggaagg accctaccaa	180
ggttgacaga agtgggtgcct atatngtgag gcaggctgca aanagtgttg tggcaaattg	240
ccttgccaga aggtgcattg tccaagtttc ctatgcnatt ggtgtccctg agccc	295

<210> 2007
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2007

tatctctctg ttctcttcta cctctcaagt ttttgaagta tagagatggc agagacattc	60
ctattttacct cagagtcagt gaacgaggga caccctgaca agctctgtga ccaaattctct	120
gatgctgtcc tcgacgcttg cctcgaacag gaccagaca gcaaggttgc ctgcgaaaca	180
tgcacaaaaa ccaacttggc catggtcttc ggagaatcac gaccaaggcc aatgtngant	240
acgagaagat atgcgtgacc c	261

<210> 2008
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2008

caggcaagcn cactcaacc accacacctc tncnngttca cgctaccgcg tttctgctct	60
tcttctacct ttcaagtttt aaaagtataa agatggcaga gacattccta ttacctcag	120
agtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctng	180
acgcttgctt cgagcaggac ccanacagca aagttgcctg cgaaacatgc accaaaacca	240
acttggtcat ggtcttcgga gaaatcacga ccaaggccaa cgttgactac gaagaagata	300
gtgcgtgaca cctgcaggaa ccattnngnt tngtctnaaa tgatgtgggg actggatgcc	360
cgacaactgg caaggtcctc gtcnaacatt gancatcaaa agccctggtn ttggtnnagg	420
gg	422

<210> 2009
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2009

tcgcngcacn cgtacgtnag ctcggnnnttc ggctcgacct cgagccgaat cggctcgagg 60
 ggttactgtc tgttcaagct aaccatctct ctctctctac tcntagtgcc tccttgccan 120
 aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
 ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgcttg gagcaggacc 240
 ctgacagcaa ggttgcctgt gaaacctgca ccaagaccaa catggtgatg gttttcggag 300
 agatcaciaa 309

<210> 2010
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2010

ttcaangcag cgtacgtaag ctcggaattc ggctcgagcg gctcgagctc ttctacctct 60
 caagtttttg aagtataaag ntggcagaga cattcctatt cacctcggag ttagtgaacg 120
 agggacaccc tgataagctc tgcgacaaaa tctccgatgc tgtcctcgac gcttgcctcg 180
 aacaggaccc agacagcaag gttgcctgcg aaacatgcac caagaccanc ttggtcatgg 240
 nnttcggaga gatcaccacc aaggccaacg ttgactacga 280

<210> 2011
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2011

atgcacgcgt acgtaagctc ggaattcggc tcgaggcaga cttacaaca gcacaaagcg 60
 ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa 120

gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatggg ttcgggngng 300
atcanaacaa ggg 313

<210> 2012
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2012

gtcgcangca cgcgtacgtn agctcggaa tccgctcgag gcgggttact gtctgttcaa 60
gctaccatct ctctctctct ttcttagtgc ctcttgcca gaagttaaaa tggcccaaga 120
aactttccta ttcacatctg aatcagtga cgaggggcac cctgacaagc tctgtgacca 180
gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca aggttgccctg 240
tgaaacctgc accaagacca acatggatgat gggtttcgga gagatcacia 290

<210> 2013
<211> 274
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2013

agtcgcannc acgcgtacgt aagctcggaa ttcggctcga nggctcgagc ggctcgnngc 60
acggccacct cncaaagagg cctgaggaga ttggtgctgg tnnccaaggt catatgttcg 120
gctatgccac tgacgagact nccgagctca tnncttgag cnatgtcctt gccacnaagc 180
tccgtgccaa gctcaccgag gttcgggaaga acgggacatg cccttggtcg agacctgatc 240
gcaagaccca ctccactggt gagtactaca acgn 274

<210> 2014
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2014

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gcacaaagcg ggttactgtc 60
 tgttcaagct accatctctc tctctcttct ttagtgccctc cttgccagaa gttaaaatgg 120
 cccaagaaac tttcttatct acatctgaat cagtgaacga ggggcaccct gacaagctct 180
 gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct gacagcaagg 240
 ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag atcacaacc 299

<210> 2015
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2015

gcngnagcgt acgtaagctc ggaattcggc tcgagcttaa caacagcaca aagcggggtta 60
 ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctcttgcc agaagttaaa 120
 atgggcccac gaaactttcc tattcacatc tgaatcagt aacgaggggc accctgacaa 180
 gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag 240
 caagggtgcc tgtgaaacct gcaccaagac caacatggtg atgggttttc gagagatcac 300
 aaccaaggc 309

<210> 2016
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2016

ttaaagtcnc tgcacgcgta cgtaagctcg gaattcggct cgagcgggctc gangcggggtt 60
 actgtctgtt caagctacca tctctctctc tctttcttag tgctctcttg ccagaagtta 120
 aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg caccctgaca 180
 agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag gaccctgaca 240
 gcaagggttg ctgtgaaacc tgcaccaaga ccaacatggt gatgggttttc ggagagatca 300
 caacc 305

<210> 2017
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2017

gnngcaggcg tacgtaagct cggaattcgg ctcgaggcac aaagcgggtt actgtctgtt 60
 caagctacca tctctctctc tcttcttagt gcctccttgc cagaagttaa aatggcccaa 120
 gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa gctctgtgac 180
 cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag caaggttgcc 240
 tgtgaaacct gcaccaagac caacatgggtg atggttttcg gagagatcac aacc 294

<210> 2018
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2018

tcncangcac gcgtacgtaa gctcgggaat tcgggctcga gggcagactt aacaacagca 60
 caaagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt 120
 gccgcaagtt aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg 180
 gcaccctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca 240
 ggaccctgac agcaagggttg cctgtgaaac ctgcaccaag accaacaatgg tgatgggttt 300
 cggagagatc acaaccaagg c 321

<210> 2019
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2019

gtcgcattgca ngcgtacgtn agctcggaat tcgggctcga cagcaciaaag cgggttactg 60
 tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat 120
 ggccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagct 180

ctgtgaccag atctccgatg ctgtgctcga tgcattgcttg gagcaggacc ctgacagcaa 240
 gggtgcctgt gaaacctgca ccaagaccaa catggtgatg gttttcggag agatcacaac 300

<210> 2020
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2020

accagacgt cgcattgcacg cgtacgtaag ctcggaattc ggctcganct cgagccgaat 60
 cggctcgagt gcagctgacc tcaaggagca tgacgatcaa gccggtgata cccggagaag 120
 taccttgatg agaagaccat tttccacttg aaccctcttg gccgttttgt cattggaggt 180
 cctcacggtg atgctggtct caccggccgc aagatcatca tcgatactta cggaggatgg 240
 ggtgctcatg gtggtggtgc cttctccggg aaggatccca ccaagttgat aggatggtgc 300
 ttacatgtga 310

<210> 2021
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2021

cgctgcncg cgtacgtaan ctcggaattc ggctcgagca cacctcncct cgttcacgct 60
 acccctttct gctcttcttc tacctttcaa gtttnaaaag tataangatg gcagagacat 120
 tccnatttac ctcagagtcg gtgaacgagg gacaccctga caagctctgc gaccaaattc 180
 ccgatgctgt cctcgacgct tgctcgagc aggaccaga cagcaaagtt ncctgcgaaa 240
 catgcaccaa aaccaacttg gncatggtct tcggaganat cagaccaag gccaacgttg 300
 actacgagaa atagtgcgtg acacct 326

<210> 2022
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2022

gtcgcnnngca cgcgtacgtn aagctcggaa ttcggctcga ggcctcacag aggttaggaa 60
 gaatggcacc tgtgctggtt gaggccagat ggtaagacac aagtaaccgt cgagtactac 120
 aatgacaatg gtgccatggt tccagttcgt gtccacactg tcctaatttc cacccaacat 180
 gatgagnctg tgagcaatga tcaaatgctg cggaccttaa agagcatggt atcaagcctg 240
 tcatcctgag aagtaccttg atgagaagac catcttccac cttaaccttc tggccgttt 299

<210> 2023
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2023

aactgtcnnn cngcgacgcc ngtagctacc agtccactaa tncccgggtc cacncacgcn 60
 tccgtacggc tgcaagaag acgacagaag ggganactta ctagtnntaa gcatggagtc 120
 ctcaantntc tntgcttntn tcttnanctt naagtttttt aaagtattaa gatggcaaga 180
 nacattccta tttacctcaa gagtcagtga acgagggaca ccctgacaag ctctgcgacc 240
 aaatctccga tgctgtctc gacgcttgcc ttgaacagga cccagacagc aaggttgcc 300
 gcgaaacatg caccaagacc aacttggtca tgggtcttcgg gagagattac caccanggcc 360
 aacgttgact angagaaaga tngtgcgtga cacctgcagg aatatcggtc tcgtctcagg 420
 angatntggg acttgatnct gacatctgca angtccttgt aaacattncg cagcatancc 480
 ctaatnttgc ccagggtggt gaacggcacn ttacnntngn acccgnggan ntcggtgctg 540
 ggagg 545

<210> 2024
 <211> 271
 <212> DNA
 <213> Glycine max
 <400> 2024

ccaagcccca ctcaaccacc acaccactct ctctgctctt cttctacctt tcaagttttt 60
 aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
 ctgacaagct ctgcgaccaa actccgatgc tgtcctcgac gcttgccctg aacaggaccc 180

agacagcaag gttgcctgcg aaacatgcac caagaccaac ttggtcatgg tcttcggaga 240
gatcaccacc aaggccaacg ttgactacga g 271

<210> 2025
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2025

gcaagcccca ctcaaccacc acacctctcc tcgttcacgc taccctttc tgctcttctt 60
ctaacttttc aagttttaaa agtataaaga tggcagagac attcctatctt acctcagagt 120
cgggtgaacga gggacaccct gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg 180
cttgccctcga gcaggaccca gacagcaaag ttgcctgcga aacatgnacc aaaaccaact 240
ttggtcatggt cttcggagaa atcacgacca aggccaagtt gactacgaga agatagt 297

<210> 2026
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2026

gtcgcangca cgcgtacgta agctcggaat tcggctcgag cttacaaca gcacaaagcg 60
ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa 120
gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
atcacaacca 310

<210> 2027
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2027

gtcgcangca cgcgtacgta agctcggaat tcggctcgag cttacaaca gcacaaagcg 60

ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgcctc cttgccagaa 120
 gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
 gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
 gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
 atcacaacca 310

<210> 2028
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2028

ngnancctta gagtgcgatg cagcgtacg taagctcgga attcggctcg aggttagggt 60
 ctgcacgctc tgcttccagc gagtgttctt tcttcgtttc aacaccttaa tttgcanacg 120
 ctgcttcttc ngcttgagaa atggcacaag aaacctttct attcacatct gaatctgtaa 180
 acgaggggtca ccccgacaag ctgtgcgacc agatctctga tgcagtgtc gatgcgtgcc 240
 ttgaacagga ccctgacagc aagggttgct gtgagacatg caccaagacc aacatgggtca 300
 tggctcttg 309

<210> 2029
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2029

aactctactt ggncaggccc cggtnacagaa atcccggctc gaccacgcg tcagtacggc 60
 tgcgagaaga cgacagaagg gggcagcgt tgatttgagg ccaggcaagc cccactcaac 120
 caccacacct ctctcgttc acgctacccc tttctgctct tcttctacct ttcaagtttt 180
 aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac 240
 cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgct cgagcangac 300
 ccagacagca aagttgctg cgaaacatgc accaaaacca acttggtcat ggtcttcgga 360
 gaaatcacga acaagggcaa cgttgactac gaaaaagata attgcntgac aacctgcagg 420

gaacatcggc ttcgtctcaa atgatgttgg gactggatgc cgacaactgc aaaggtctcc 480
gtcaaca 487

<210> 2030
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2030

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gccaaagcccc actcaaccac 60
cacaccactc tctctgctct tcttctacct ttcaagtttt taaagtatta agatggcaga 120
gacattccta tttacctcag agtcagtgaa cgagggacac cctgacaagc tctgcgacca 180
aatctccgat gctgtcctcg acgcttgctt tgaacaggac ccagacagca aggttgccctg 240
cgaaacatgc accaagacca acttggtcat ggtcttcgga gagatcacca ccaaggcc 298

<210> 2031
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2031

gttgcanvcg tacgtaagct cggaattcgg ctcgagtttg ggagtttaggt tctgcacgct 60
ctgcttccag cgagtgttct nacttcgttt caacacctta atttgcacac gctgcttctt 120
cagcttgaga aatggcacia gaaacctttc tattcacatc tgaatctgta aacgagggtc 180
accccgacia gctgtgagac cagatctctg atgcagtgcg cgatgcgtgc cttgaacagg 240
accctgacag caaggttgcc tgtgagacat gcaccaagac caacatgggc atggtctttg 300
g 301

<210> 2032
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2032

cgtcgcangc acgcgtacgt nagctcggna ttcggctcga gngcacaaag cgggttactg 60
tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat 120
ggcccaagaa acttttctat tcacatctga atcagtgaac gaggggcacc ctgacaagct 180
ctgtgaccag atctccgatg ctgtgctcga tgcattgctt gagcaggacc ctgacagcaa 240
ggttgctgtg gaaacctgca ccaagaccaa catgggtgatg gttttcggng agatcac 297

<210> 2033
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2033

tgcacgcgta cgtaagctcg gaattcggct cgagatttga ggncaggcaa gcccnactca 60
accaccacac ntctcctcgt tnanctacc cctttctncc tcttcttcta cctttcaagt 120
tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga 180
caccctgaca agctctgcga ccaaattctc gatgctgtcc tcgacgctng cctcgagcag 240
gaccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa ccaacttggt catggtcttc 300
ggaganatca cgaccaaggc caacgttgac ta 332

<210> 2034
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2034

tgcattgcac gcgtacgtna gctcgggaatt cggctcgagn acagcacaaa gcgggttact 60
gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctcttgcca gaagttaaaa 120
tggcccaaga aactttctta ttcacatctg aatcagtga cgaggggcac cctgacaagc 180
tctgtgacca gatctccgat gctgtgntcg atgcatgctt ggagcaggac cctgacagca 240
aggttgcttg tgaaacctgc accaagacca acatgggtgat ggttttcgga gagatcacia 300

<210> 2035
<211> 307
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2035

```
ncgcangcac gcatacgtna gctcggaatt cggctcgagc tnaacaacag cacaaagcgg    60
gttactgtct gttcaagcta ccatacctctc tctctctttc ttagtgcttc cttgccagaa   120
gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct   180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct   240
gacagcaagg ttgcctgtna aacctgcacc aagaccaaca tggatgatgg tttcggagag   300
atcaciaa                                     307
```

<210> 2036

<211> 262

<212> DNA

<213> Glycine max

<400> 2036

```
ccaagcccca ctcaaccacc acaccactct ctctgctctt cttctacott tcaagttttt    60
aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc   120
ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctt gaacaggacc   180
cagacagcaa ggttgccctgc gaaacatgca ccaagaccaa cttggatcatg gtcttcggag   240
agatcaccac caaggccaac gt                                     262
```

<210> 2037

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2037

```
aaatntanan gtcgcangca cgcgtacgta agctcggaat tcggctcgag cttacaaca    60
gcacaaagcg ggttactgtc tgttcaagct accatctcct ctctctcttt cttagtgcct   120
ccttgccaga agttaaaatg gcccaagaaa ctttctatt cacatctgaa tcagtgaacg   180
aggggcaccc tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg   240
agcaggaccc tgacagcaag gttgcctgtg aaacctgcac caagaccaac atggtgatgg   300
```

ttttcggaga gatcacaacc aag 323

<210> 2038
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2038

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gcagacttaa caacagcaca 60
aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atgggttttcg 300
gagagatcac a 311

<210> 2039
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2039

ttcangcacn cgtacgtaag ctcggaattc ggctcgagca caaagcgggt tactgtctgt 60
tcaagctacc atctctctct ctcttttctta gtgcctcctt gccagaagtt aaaatggccc 120
aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac aagctctgtg 180
accagatctc cgatgctgtg ctcgatgcat gcttgagca ggaccctgac agcaaggntg 240
cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt cggngagatc acaaccaagg 300
n 301

<210> 2040
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2040

gtngcangca cgcgtacgta agctcggaat tcggctcgag cagcaciaaag cgggttactg 60

tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat 120
ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagcc 180
ctgtgaccag atctccgatg ctgtgctcga tgcattgctt gagcaggacc ctgacagcaa 240
ggttgcctgt gaaacctgca ccaagaccaa catgggtgatg gttttcggag agatcacaac 300
caaggcc 307

<210> 2041
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2041

cgcattgcagt ntacgtaagc tcggaattcn gctcgagcag cacaaagcgg gttactgtct 60
gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag ttaaaatggc 120
tcaagaaact ttcctattca catctgaatc agtgaacgag gaccaccctg acaagctctg 180
tgaccagatc tccgatgctg tgctcgatgc atgcttgagg caggaccctg acagcaaggt 240
tgctgtgaa acctgcacca agaccaacat ggtgatgggt ttcggagaga tcacaaccaa 300
ggc 303

<210> 2042
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2042

tngcnaactc ttacgcgggt caggtaccgg ttgnngaatt cccggggctg acccagcgt 60
caagtacggc tgcgagaaga cgacagaagg gggcagcgt tgatttgagg ccaggcaagc 120
ccactcaac caccacacct ctctctgttc acgtacccc tttctgctct tcttctacct 180
ttcaagtttt aaaagtataa agatggcaga gacattccta ttacctcag agtcgggtgaa 240
cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgct 300
cgagcaggac ccagacagca aagttgcctg cgaaacatgc accaaaacca acttggtcat 360
ggctctcgga gaaatcacga ccaaggccaa cgttgactac gaagaagata gtgcgtnaca 420

cctgcaggga acatccggnt nntnccaaaa tnangttgga ncgggatccn anaatttgcn 480
 aggggt 486

<210> 2043
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2043

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggggcaccct gnacaagctc 60
 tgtgaccaga tctccgatgc tgtgctcgat ggcattgcttg gagcaggacc ctgacagcaa 120
 ggttgccctgt gaaacctgca ccaagaccaa catgggtgatg gttttcggag agatcacaac 180
 caaggccaac gtggactatg agcaagcttg tgnctgaca catgcaggaa cattggtttt 240
 gtctctnatg atgtnggtct tggatgcnaa caactgcaag tctcgtcaac atngagcaac 300
 agan 304

<210> 2044
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2044

gtcgcangca cgcgtacgta agctcgaatt cggctcgagg cagacttaac aacagcacia 60
 agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
 ccctgacagc aaggttgctt gtgaacctgc accaagacca acatgggtgat ggttttcggg 300
 gagatcacia ccaggccang tggan 325

<210> 2045
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2045

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag tgagaaatgg cacaagaaac 60
ctttctattc acatctgaat ctgtaaacga gggtcacccc gacaagctgt gcgaccagat 120
ctctgatgca gtgctcgatg cgtgccttga acaggaccct gacagcaagg ttgcctgtga 180
gacatggcac caagaccaac atggatcatg ttctttggag agatncacaa ccaagggcca 240
acgtagacta tgagaagatt gttcctgnac acatgccggc gaantggatt ncannccg 298

<210> 2046

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2046

gtcgcacatgca cncgtacgta agctcggaat tcggctcgag gcagacttaa caacagcaca 60
aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatgggtg aggttttcgg 300
agagatcaca accaaggc 318

<210> 2047

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2047

gngtcgnang cacgcgtacg tnagctcgga atgcggctcg aggggttact gtctgttcaa 60
gctaccatct ctncctctct ttcttagtgc ctcttgcca gaagnnaaan tngcccaaga 120
aactttccta ttcnatctg aatcagtga cgaggggcac cctgacaagc tctgtgacca 180
gatctccgat gctgtgctcg atgcatgcnt ggngcaggac nctgacagca aggttncttg 240
tgaaacntgc accaagacca acatggtgat gggttttcgga gagatcacia ccaaggccaa 300
cg 302

<210> 2048
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2048

tcgnangcac gcgtacgtaa gctcggaatt cggctcnagt ttgggagtta ggttctgcac 60
 gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca cacgctgctt 120
 cttcngcttg agaaatggca caagaaacct ttctattcac atctgaatct gtaaacgagg 180
 gtcacccoga caagctgtgc gaccagatct ctgatgcagt gctcgatgcg tgccttgaac 240
 aggaccctga cagcaagggtt gcctgtgaga catgcaccaa gaccaacatg gtcatggtct 300
 t 301

<210> 2049
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2049

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tctctgctct tctcttctct 60
 tctacctctc aagtttttga agtataaaga tggcagagac attcctattc acctcgaggt 120
 cagtgaacga gggacaccct gataagctct gcgaccaa atccgatgct gtcctcgacg 180
 cttgcctcga acaggacca gacagcaagg ttgcctgcga aacatgcacc aagaccaact 240
 tggatcatggt cttcgagag atcaccacca agg 273

<210> 2050
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2050

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc tgcacgctct gcttccagcg 60
 agtgttcttt cttcgtttca acaccttaat ttgcanacgc tgctttcttct ggcttgagaa 120
 atggcacaag aaacctttct attcacatct gaatctgtaa acgagggtca ccccgacaag 180

ctgtgcgacc agatctctga tgcagtgctc gatgcgtgcc ttgaacagga ccctgacagc 240
aaggttgctt gtgagacatg caccaagacc aacatgggtca tgggtcttga gagatcacia 300
ccagggccaa cgt 313

<210> 2051
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2051

gtcgcangca cgcgtacgta agctcggat tcggctcgag gacttaacaa cagcaciaag 60
cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
ctgacaanct ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc 240
ctgacagcaa ggttgctgtg gaaacctgca ccaagaccaa catggtgatg gttttcggag 300
agatcacaac ca 312

<210> 2052
<211> 308
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2052

gcgtacgtaa gctcggatt cngctcgagg cccactcaa ccaccacacc tctcctcggt 60
cacgctaccc ctttctgctc ttcttctacc tttcaagttt taaaagtata aagatggcag 120
agacattcct atttacctca gagtcgggtga acgagggaca ccctgacaag ctctgcgacc 180
aaatctccga tgctgtctc gacgcttgnc tcgagcagga ccagacagc aaagttgcct 240
gcgaaacatg caccaaaacc aacttgggtca tgggtcttcgg agaaatcacg accaaggcca 300
acgttgat 308

<210> 2053
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2053

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gtcgcngcac gcgtacgtaa gctcgggaatt cggctcgagg ttaggttctg cacgctctgc   60
ttccagcgag tgttctttct tcgtttcaac accttaattt gcacacgctg cttcttcagc  120
ttgagaaatg gcacaagaaa cctttctatt cacatctgaa tctgtaaacg aggggtcacc  180
cgacaagctg tgcgaccaga tctctgatgc agtgctcgat gcgtgccttg aacaggaccc  240
tgacagcaag gttgcctgtg agacatgnac caagaccaac atgggtcatgg tctttggn   298
```

<210> 2054
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2054

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nanangangt cgcangcacg cgtacgtnag ctccgnattc ggctcgaggn aagccccact   60
caaccaccac accactctct ctgctcttct tctacctttc aagtttttaa agtattaaga  120
tggcagagac attcctattht acctcagagt cagtgaacga gggacaccct gacaagctct  180
gcgaccaaht ctccgatgct gtccctcgacg cttgccttga acaggaccca gacagcaagg  240
ttgcctgcga aacatgcacc aagaccaact tgggtcatggt cttcggagag atcaccacca  300
nggc                                              304
```

<210> 2055
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2055

```
aaactccacc gcccaggtag cggtagaaga attcccggnt cgaccacgc gtcnggcgag   60
aagacnacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaanacg  120
acagaaggggt acggctgcga agaagacgac agaagggtag ggctgcgaga agacgacaga  180
agggtacggc tgcgagaaga cgacagaang gtacggctgc gagaagacga cagaaggggg  240
acatttatgg aactgggaag attcctgaca aggagattct tcaaattgtg aaggagaatt  300
```

tcgacttcag acctggaatg atcaccatta acttggacct taagaggggt ggccataggt 360
 tcctcaagac agctgcttat ggacactttg gaagggatga ccctgacttc acctgggaag 420
 ttgtgaagcc actcaantct gaaaaacctc caacctaaaga atggttgtna atttaancnc 480
 c 481

<210> 2056
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2056

nacgtcgcat gcacgcgtac gtaagctcgg aattcggctc gagtaacaac agcacaaagc 60
 ggggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
 agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
 tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttcg agcaggaccc 240
 tgacagcaag gttgcctnt gaaacctgca ccaagaccaa catggtgatg gttttcggag 300
 agatcacaac caa 313

<210> 2057
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2057

tcncatgcac gcgtacgtaa gctcgggaatt cggctcgagg ttactgtctg ttcaagctac 60
 catctctctc tctctttctt agtgcctcct tgccagaagt taaaatggcc caagaaactt 120
 tcctattcac atctgaatca gtgaacgagg ggcaccctga caagctctgt gaccagatct 180
 ccgatgctgt gctcgatgca tgcttgagagc aggaccctga cagcaagggt gcctgtgaaa 240
 cctgacacca agaccaacat ggtgatgggt ttcggagaga tcacaaccaa ggccaacgtg 300
 gatatg 306

<210> 2058
 <211> 325
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2058

angcacncgt acgtnagctc ggnattcggc tcgagncana cttaacanca gcacaaagcg 60
ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa 120
gttaaaatgg cccaaganac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctggcac caagaccaac atggtgatgg ttttcggaga 300
gatcacaacc aaggccaagt ggata 325

<210> 2059

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2059

tcgcatgcac gcgtacgtna gctcggatt cggtcgcgc tttctgctct tcttctacct 60
ttcaagtttt aaaagtataa agatggcaga gacattccta tttacctcag antcggtgaa 120
cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgccct 180
cgagcaggac ccagacagca aagttgcctg cgaaacatgc accaaaacca acttggttca 240
tggtcttcgg agaaatcacg accaaggcca acgttgacta cgagaa 286

<210> 2060

<211> 280

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2060

gtcgcangca cgcgtacgta aagctcggaa ttcggctcga gnaaagatgg cagagacatt 60
cctatattacc tcagagtcgg tgaacgaggg acaccctgac caagctctgc gaccaaatct 120
ccgatgctgt cctcgacgct tgcctcgagc aggncccaga tagcaaagtt ncntgcgana 180
catgcaccan aaccnncttg gtcatggtct tcggagnnat cacgaccang gcnancgttg 240
actanganan gatantgngt gacacctnca ggnacatcgg 280

<210> 2061
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2061

gtcgcacgca cgcgtacgta agctcgggaat tcggctcgag gtgatttgga gtttggagcg 60
 actgaactaa tcattaattt gcactcgcgtg tttcagcttc atcacccttc ttttgcacga 120
 tttatatctc ttgagaaatg gcacaagaaa cttttctatt cacatctgaa tctgtaaacg 180
 agggtcaccc cgacaagctg tgcnaccaga tctctgatgc agtacttgat gcgtgccttg 240
 ancaggaccc tgacagcaag gttgcctgtg agacatgcac cnagaccaac aggtcatggt 300
 cttcggagag atcacaacca aggc 324

<210> 2062
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2062

ganacgtacg tnagctcgga attcggctcg agncttaaca acagcacaaa gcgggttact 60
 gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctcttgcca gaagttaaaa 120
 tggcccaaga aactttccta ttcacatctg aatcagtga cgagggggcac cctgacaagc 180
 tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca 240
 aggttgcttg tgaaacctgc accaagacca acatgggtgat ggtttcggag agatcacaac 300

<210> 2063
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2063

ntcgcanaca cgcgtacgtn agcncggaat tcggctcgag gtggcaaagt gccttnccag 60
 aagggtgcatt gtccaagttt cctatgccat tgggtgtccct gagcccttgt cagtgtttgt 120

ggacacttat ggaactggga agattcctga caaggagatt cttcaaattg tgaaggagaa 180
 ttctgacttc agacctggaa tgatcaccat taacttggnc ttaaann 227

<210> 2064
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2064

tncttcgaan nnangctnac ntnagaatgn nnctcgannc aagcnccant caaccancac 60
 acntctcttc gttcacgcta cccctttctg gctcttcttc tacctttcaa gttttaaaag 120
 tataaagatg gcagagacat tcctatttac ctgagagtcg gtgaacgagg gacaccctga 180
 caagctctgc gaccaaattc ccgatgctgt cctcgacgct tgcctcgagc aggaccacga 240
 cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg gtcatgggtc tcggagaaat 300
 cagaccaag gcc 313

<210> 2065
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2065

nttgcanca cncgtacgn agctcggnan tcggctcgag ncagacttaa caacagcaca 60
 nagcgggtta ctntctgttc aagctaccat ctctctctct ctttcttagt ggcctccttg 120
 ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg 180
 caccctgaca agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag 240
 gaccctgaca gcaagggttg ctgtgaaacc tgcaccaaga ccaacatggt gatgggtttc 300
 ggagagatca n 311

<210> 2066
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2066

cgcatgcata agtacgtaag ctcggaattc ngctcgagca agccccactc aaccaccaca 60
cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt tttaaaagta 120
taaagatggc agagacattc ctatttacct cagagtcggt gaacaaggga caccctgaca 180
agctctgcga ccaaattctc gatgctgtcc tcgacgcttg cctcgagcag gaccagaca 240
gcaaagttgc ctgcgaaaca tgcacaaaa ccaacttggc catggtcttc ggagaaatca 300
cgaccaaggc caacgtt 317

<210> 2067
<211> 306
<212> DNA
<213> Glycine max

<400> 2067

agtcgcatgc acgcgtacgt aagctcgga ttcggctcga gacttaacaa cagcaciaag 60
cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc 240
ctgacagcaa gggtgctgt gaaacctgca ccaagaccaa catggtgatg gttttcgag 300
agatca 306

<210> 2068
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2068

ancagtcgna tgcacgcgta cgtaagctcg gaattcggct cgagccccac tcaaccacca 60
cacctctcct cgttcaogct acccctttct gctcttcttc tacctttcaa gttttaaaan 120
tataaagatg gcagagacat tcctatttac ctgagagtcg gtgaacgagg gacacctga 180
caagctctgc gaccaaattc ccgatgctgt cctcgacgct tgccctogagc aggaccaga 240
cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg gtcattggtct tcggagaaat 300
cacgaccaag gccaaagttga 320

<210> 2069
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2069

nngngcatgc acgcgtacgt nagctcggaa ttcggctcga gcaagcccca ctcaaccacc 60
 acacctctcc tcgttcacgc tacccttttc tgctcttctt ctacctttca agtttttaaaa 120
 gtataaagat ggacagagaca ttcctattta cctcagagtc ggtgaacgag ggacaccctg 180
 acaagctctg cgaccaaadc tccgatgctg tctcgcacgc ttgcctcgag caggaccacg 240
 acagcaaagt tgcctgcgaa acatgcacca aaaccaactt ggtcatgggtc ttcggagaaa 300
 tcacgaccaa ggccaagt 318

<210> 2070
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2070

ngtcgcangc acgcgtacgt aagctcggaa ttcggctcga gacttaacaa cagcacaaaag 60
 cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
 aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
 ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc 240
 ctgacagcaa ggttgcctgt gaaacctgca ccaagaccaa catggtgatg gttttcggag 300
 ag 302

<210> 2071
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2071

gnanatgcac gcgtacgtaa nctcggaatt cggctcgagt tgggagttag gttctgcacg 60
 ctctgcttcc agcgagtgtt ctttcttcgt ttcaacacct taatttgcac acgctgcttc 120

ttcagcttga gaaatggcac aagaaacctt tctattcaca tctgaatctg taaacgaggg 180
tcaccccgac aagctgtgcg accagatctc tgatgcagtg ctcgatgcgt gccttgaaca 240
ggaccctgac agcaagggtg cctgtgagac atgcaccaag accaacaatgg tcatggtc 298

<210> 2072
<211> 310
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2072

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggc agacttaaca acagcacaaa 60
gcgggttact gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctcctttccc 120
agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
ccctgacagc aaggttgctt gtgaaacctg caccaagacc aacatggtga tggttttcgg 300
agagatcacn 310

<210> 2073
<211> 289
<212> DNA
<213> Glycine max
<400> 2073

agtcgcatgc acgcgtacgt aagctcgga ttcggctcga ggggttactg tctgttcaag 60
ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat gggcccaaga 120
aactttccta ttcacatctg aatcagtga cgagggggcac cctgacaagc tctgtgacca 180
gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca aggttgcttg 240
tgaaacctgc accaagacca acatggtgat ggttttcgga gagatcaca 289

<210> 2074
<211> 309
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2074

tcgcangnan gcgtacgtaa gctcgggaatt cggctcgagn cagacttaac aacagcacia 60
agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg ctccttgcc 120
agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
ccctgacagc aaggttgctt gtgaaacctg caccaagacc aacatgggtga tggttttcgg 300
agagatcac 309

<210> 2075
<211> 308
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2075

gtcncngcac gcgtacgtaa gctcgggaatt cggctcgagc agacttaaca acagcacaaa 60
gcgggttact gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctccttgcca 120
gaagttaaaa tggcccaaga aactttccta ttcacatctg aatcagtga cgagggggcac 180
cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac 240
cctgacagca aggttgcttg tgaaacctgc accaagacca acatgggtgat ggttttcgga 300
gagatcac 308

<210> 2076
<211> 310
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2076

gtcgcgatgca cgcgtacgtn agctcggant tcggctcgag cttaacaaca gcacaaagcg 60
ggttactgtc tgttcaagct acctctctct tctctctttc ttngtgctc cttgccagaa 120
gttaaaatgg cccaaganac tttcctattc acntctgant cngtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
atcacaacca 310

<210> 2077
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2077

cnnatgcacg cgtacgtaag ctcggtctga gccgaatcgg ctcgagggtg agaccaagac 60
 aactcgttc atatatctct ctgctcttct cttactcttc tacctctcaa gtttttgaag 120
 tataaagatg gcagagacat tcctattcac ctcgagtgca gtgaacgagg gacaccctga 180
 taagctctgc gaccaaattct ccgatgctgt cctcgacgct tgcctcgaac aggacccaga 240
 cagcaagggtt gcctgcgaaa catgcaccaa gaccaacttg gtcatggtct tcggagagat 300
 caccaccaag 310

<210> 2078
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2078

cagtcgcang cacgcgtacg taagctctgt aattcggctc gagcagactt aacaacagca 60
 caaagcgggt nactgtctgt tcaagctacc atntctctnt ctctttctta gtggctcctt 120
 gccanaagtt aaaatggccc aagaaacttt cctatncaca tctgaatcag tnaacgangg 180
 gcaccctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gctgggagca 240
 ggaccctgnc agcaagggttg cctgtgaaac ctgcaccaag accaacaatgg tgatgggtttt 300
 cggagagatc acaaccaagg nnagc 325

<210> 2079
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2079

ctcgagccgc tcgagccgat tcggctcgag ctcccagct catncccttg agccatgtca 60

ctgccacgac gctcgggtgcc aagctcaccg aggttaggna gaacgggaca tgcccttggc 120
 tgagacctga tggcaagacc caagtcactg ttgagtacta caatgacaag ggtgccatgg 180
 ttccaatccg cgtccacact gtgctcatct ccacacagca tgatganctg tcacaaatga 240
 tgagattgc 249

<210> 2080
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2080

annnnctgt acgt nagctn ngacatcggg attcggctcg agncagactt nacaacagca 60
 caaagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt 120
 gccagangtt naaatgggcn caagaaactt tcctattcac atctgnatca gtgaacgagg 180
 ggcaccctga caagctctgt gaccagatct ccgatgctgt gctcgatgca tgcttgagc 240
 aggaccctga cagcaagggt gcctgtgaaa cctggcacca agaccaacat ggtgatggtt 300
 ttcggagaga tcacaaccaa ggcca 325

<210> 2081
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2081

nnangcacgc gtacgtaagc tcggaattcg gctcgagcag acttaacaac agcacaaagc 60
 gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
 agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
 tgacagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
 gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatggt tttcggagag 300
 atcacaacca aggcca 316

<210> 2082
 <211> 303
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2082

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ncgtcgcacg cagcgcgtacg taagctcggg atttcggctc gagggggttac tgtctgttca 60
agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa atggcccaag 120
aaactttcct attcacatct gaatcagtga acgaggggca ccctgacaag ctctgtgacc 180
agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc aaggttgcc 240
gtgaaacctg cnaccaagac caacatggtg atgggttttcg gagagatcac aaccaangcc 300
aac 303
```

<210> 2083

<211> 333

<212> DNA

<213> Glycine max

<400> 2083

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gtcgcacgca cgcgtacgta agctcgggaat tcggctcgag aagccccact caaccaccac 60
acctctctc gttcacgcta cccctttctg ctcttcttct acctttcaag ttttaaaagt 120
ataaagatgg cagagacatt cctattttacc tcagagtcgg tgaacgaggg acaccctgac 180
aagctctgcg accaaatctc cgatgctgct ctcgacgctt gcctcgagca ggaccagac 240
agcaaagttg cctgcgaaac atgcacacaaa accaattggt catggtcttc ggagaaatca 300
cgaccaaggc caagttgact acgagaagat atg 333
```

<210> 2084

<211> 287

<212> DNA

<213> Glycine max

<400> 2084

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gcacgcgtac gtaagctcgg aattcggctc gaggtgcctt ctctgggaag gatcctacca 60
aggttgatag gagtggtgcc tacattgtga ggcaagctgc aaagagcatt gttgcaaagt 120
gacttgctag gagggcaatt gtgcaagttt cctatgccat tgggtgtgcct gagccctgtc 180
tgtgtttgtt gacacttatg gcactgggaa gatcccgaca aggaaatcct cagcatgtga 240
aggagagttt tgactcagcc ggcagatctc catcaacctg atctcaa 287
```

<210> 2085
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 2085

cgtagcgtacg ctcggaattc ggctcgagca gcacaaagcg ggttactgtc tgttcaagct 60
 accatctctc tctctctttc ttagtgcttc cttgccagaa gttaaaatgg cccaagaaac 120
 tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctct gtgaccagat 180
 ctccgatgct gtgctcgatg catgcttggg gcaggaccct gacagcaagg ttgcctgtga 240
 aacctgcacc aagaccaaca tggatgatgg tttcggagag a 281

<210> 2086
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 2086

gcacgcgtac gtaagctcgg gaattcggct cgaggcagac ttaacaacag cacaagcg 60
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgctcc ttgccagaag 120
 ttaaaatggc ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg 180
 acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttggag caggaccctg 240
 acagcaagggt tgcctgtgaa acctgcacca agaccaacat ggtgatgggt ttcg 294

<210> 2087
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2087

gtcgcangca cgcgtacgta agctcggat tcggctcgag ttaacaacag cacaagcg 60
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgctcc ttgccagaag 120
 ttaaaatggc ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg 180
 acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttggag caggaccctg 240

acagcaaggt tgcctgtgaa acctgcacca agaccaacat ggtgatggtt ttcg 294

<210> 2088
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2088

nngtcgcang cacgcgtacg taagctcgga attcggctcg agacagcaca aagcgggta 60
 ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc cagaagttaa 120
 aatggcccaa gaaactttcc tattcacatc tgaatcagt aacgaggggc accctgacaa 180
 gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag 240
 caaggttgcc tgtgaaacct gcaccaagac caacatggtg atggttttcg 290

<210> 2089
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2089

agtcgcangc angcgtacgt nagctcgga ttcggctcga ggcagactta acaacagcac 60
 aaagcgggtt actgtctgtt caagctacca tctctcnctc tctttcttag tgctccttg 120
 ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gnacgagggg 180
 caccctgaca agctctgtga ccagatctcc gatgctgtgc tcgatgcatg ctcggagcag 240
 gaccctgaca gcaaggttgc ctgtgaaacc tgcaccaagn ccaacntggt gatggttttc 300
 ggagannnca anccaagggc an 322

<210> 2090
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2090

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagn ggccaggcaa gccccactca 60
 accaccacac ctctcctcgt tcacgctacc ctttctgtct cttcttctac ctttcaagtt 120

ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaacat gcaccanaac caacttggtc atggctcttcg 300
 gagaaatcac gaccaagg 318

<210> 2091
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2091

tcgcangcac gcgtacgtna gctcgggaatt cggctcgagc ttaacaacag cacaagcg 60
 gttactgtct gttcaagcta ccattctctct ctctctttct tagtgcctcc ttgccagaag 120
 ttaaaatggc ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg 180
 acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttggag caggaccctg 240
 acagcaaggt tgctgtgaa acctgcacca agaccaacat ggtgatgggtt ttcggagaga 300
 t 301

<210> 2092
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2092

gtcgcatgca cgcgtacgtn agctcggaat tcggctcgag ccaagcccca ctcaaccacc 60
 acacnactct ctctgctctt cttctacctt tcaagttttt aaagtattaa gatggcagag 120
 acattcctat ttacctcaga gtcagtgaac gagggacacc ctgacaagct ctgcgaccaa 180
 atctccgatg ctgtcctcga cgcttgctt gaacaggacc cagacagcaa ggttgcttgc 240
 gaaacatgca ccaagaccaa cttggtcatg gtcttcggag agatcacca 289

<210> 2093
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2093

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gtcgcacgca cgcgtacgta agctcggaat tcnctcgag gcccactca accaccacac   60
ctctctctgt tcacgctacc cctttctgct cttcttctac ctttcaagtt ttaaaagtat  120
aaagatggca gagacattcc tatttacctc agagtcggtg aacgaggag accctgacaa  180
gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag  240
caaagttgcc tgcgaaacat gcaccanaac caacttggtc atggtcttcg gagaaatcac  300
gaccaaggc                                     309
```

<210> 2094
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2094

```
tcgcangcac gcgtacgtaa gctcggaatt cggtcgagg ggccaggcaa gcccactca   60
accaccacac ctncgctcg ttcacgtac ccctttctgc tcttcttcta cctttcaagt  120
tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga  180
caccctgaca agctctgcga ccaaactctc gatgctgtcc tcgacgcttg cctcgagcag  240
gaccagaca gcaaagttgc ctgcgaaaca tgcaccanaa ccaacttggt catggtcttc  300
ggagaaatca cgaccaaggc caagttgact acgaga                                     336
```

<210> 2095
<211> 202
<212> DNA
<213> Glycine max

<400> 2095

```
tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc   60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc  120
atgcttgag caggaccctg acagcaaggt tgcctgtgaa acctgcacca agaccaacat  180
ggtgatgggt ttcggagaga tc                                     202
```

<210> 2096
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2096

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcgagccgg aacttaacaa 60
 cagcacaaag cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc 120
 tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac 180
 gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgcttg 240
 gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa catggtgatg 300
 gttttcggag agatc 315

<210> 2097
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2097

cnaagagtcg catgcacgcg tacgtaagct cggaattcng ctganggca agccccactc 60
 aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt 120
 tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggga 180
 caccctgaca agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcag 240
 gaccagaca gcaaagttgc ctgcgaaaca tgcaccanna ccaacttggt catggtcttc 300
 ggagaaatca cgaccaaggc ca 322

<210> 2098
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2098

nnnttcnngc actcgtacgn aagctcgga ttcggctcga ggaccaagcc ccaactcaacc 60
 accacaccac tctntctggc tcttcttcta cctttcaagt tnttaaagta ttaagatggc 120

ngagacagcc ctatttaccn cagagtcagt gaacgangga caccctgaca agctctgcga 180
 ccaaattctcc gatgctgtcc tcgacgcttg ccttgaacag gacccagaca gcaagggttg 240
 ctgcgaaaca tgcaccaaga ccaacttggc catggtctnc ggagagatca ccaccaaggc 300
 caacggtt 307

<210> 2099
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2099

tatgcntnca cgcgtacgta agctcgagaa ttcggctcga gaggccaggc aagccccact 60
 caaccaccac acctctnctc gttcacgcta ccccttaatg ctcttctnct acctttnaag 120
 ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg 180
 acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagcn 240
 cgacccagac agcaaagttg cctgcgaaac atgcaccaan accaacttgg tcatggtctt 300
 cggagaaatc acgaccaagg cca 323

<210> 2100
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2100

gcnngcacgc gtacgtaagc tcggaattcg gctcgagggt aggttctgca cgctctgctt 60
 ccagcgagtg ttctttcttc gtttcaacac cttaatttgc acacgctgct tcttcagctt 120
 gagaaatggc acaagaaacc tttctattca catctgaatc tgtaaacgag ggtcaccocg 180
 acaagctgtg cgaccagatc tctgatgcag tgctcgatgc gtgccttgaa caggaccctg 240
 acagcaaggt tgctgtgag acatgcacca agaccaacat ggtcatggt 289

<210> 2101
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2101

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ccaagcccca ctcaaccacc 60
 acacnactct ctctgctctt cttctacctt tcaagttttt aaagtattaa gatggcagag 120
 acattcctat ttacctcaga gtcagtgaac gagggacacc ctgacaagct ctgcgaccaa 180
 atctccgatg ctgtcctcga cgcttgccctt gaacaggacc cagacagcaa ggttgccctgc 240
 gaaacatgca ccaagaccaa cttgggtcatg gtcttcggag agatcaccac 290

<210> 2102
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2102

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 ccatgtcctt gcaaccaaac ttggtgctcg cntcacagag gttaggaaga atggnacctg 120
 tgcttggttg aggccagatg gtaagaccaa gtaaccgtng agtactacaa tgacaatggt 180
 gccatgggtc cagttcgtgt ccacactgtn ctaatttcca cacaacanaa aanncttana 240
 aannaatgat catattgctg cggacttaaa gagcagttat tnaagcctgt gnatctgaga 300
 a 301

<210> 2103
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2103

acgtcgcgatg cacgcgtacg taagctcgga attcggctcg agcaagcccc actcaaccac 60
 cacaccactc tctctgctct tcttctacct ttcaagtttt taaagtatta agntggcaga 120
 gacattccta ttacctcag agtcagtgaac cgagggacac cctgacaagc tctgcgacaa 180
 atctccgatg ctgtcctcga cgcttgccctt gaacangacc cagacagcaa ggttgccctgc 240
 gaaacatgca ccaagaccaa cttgggtcatg gtcttcggag agatcaccac caaggccaag 300
 ttgactagag a 311

<210> 2104
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2104

gnacangcac gcgtacgtaa gctcgggaatt cggctcgagg cagacttaac aacagcacia 60
 agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaacttttct attcacatct gaatcagtga acgaggggca 180
 cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac 240
 cctgacagca aggttgcttg tgaaacctgc accaagacca acatggtgat ggttttcgga 300
 gagatcacia cca 313

<210> 2105
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2105

ttncngcacg cgtacgtaag ctcggaattc ggctcgagnt aacaacagca caaagcgggt 60
 tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
 aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcacctgac 180
 aagctctgtg accagatctc cgatgctgtg ctcgatgcac gcttgagaca ggacctgac 240
 agcaagggtg cctgtgaaac ctggcaccaa gaccaacatg gtgatggttt tcggagagat 300
 cacaac 306

<210> 2106
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2106

agttcanaca gcgtacgana gctcgggaant cggctcgagg gccaggcnag cccnatcaac 60

cancacacnt ctctacnct cacgctacnc cttgctgcnc ttncgcgcac ntnngcaagt 120
nctnaaaagt ataaagatgg cagagacatn cctantnacc ncagagtcgg tgaacgaggg 180
anaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca 240
ggacccagac agcaaagttg cctgcgaaac atgcacaaa accaacttgg tcatggtctt 300
cggagaaaac acgaccaagg ccaac 325

<210> 2107
<211> 294
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2107

aanngangca cgcgtacgta agctcggaat tcggctcgag caacagcaca aagcnggta 60
ctgtctgttc aagctaccat ctctctctct cttcttagt gcctccttgc cagaagttaa 120
aatggcccaa gaaactttcc tattcacatc tgaatcagt aacgaggggc accctgacaa 180
gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag 240
caaggttgcc tgtgaaacct gcaccaagac caacatggtg atggttttcg gaga 294

<210> 2108
<211> 304
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2108

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag ctcgagccgc aacagcacia 60
agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagt cctccttgcc 120
agaagttaaa atggcccaaag aaactttcct attcacatct gaatcagtga acgaggggca 180
ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
ccctgacagc aaggttgcct gtgaaacctg caccaagacc aacatggtga tggttttcg 300
agan 304

<210> 2109
<211> 303
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 2109

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gagacttaac aacagcacia 60
 agcgggttac tgtctgttca agctacnate tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
 ccctgacagc aagggtgcct gtgaaacctg caccaagacc aacatgggtga tggttttcgg 300
 aga 303

<210> 2110
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2110

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 gttctgcacg ctctgcttcc agcgagtgtt ctttcttcgt ttcaaacact taatttgcac 120
 acgctgcttc ttcagcttga gaantggcac aagaaacctt tctattcaca tctgaatctg 180
 taaacgaggg tcaccccgcac aagctgtgcg accagatctc tgatgcagtg ctcgatgcgt 240
 gccttgaaca ggacctgac agcaagggtg cctgtgagac atgcaccaag accaakatgg 300
 tca 303

<210> 2111
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2111

acgtcgcattg cacgcgtacg taagctcggaa attcggctcg agatttggga gttaggttct 60
 gcacgctctg cttccagcga gtgttctttc ttcgtttcaa caccttaatt tgcatacgtc 120
 gcttcttcng cttgagaaat ggcacaagaa acctttctat tcacatctga atctgtaaac 180
 gaggttcacc ccgacaagct gtgcgaccag atctctgatg cagtgcctga tgcgtgcctt 240

gaacaggacc ctgacagcaa ggttgctgt gagacatgca ccaagaccaa catggtca 298

<210> 2112
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2112

nncgcangca cgcgtacgta agctcggaat tcggctcgag agccccactc aaccaccaca 60
 ccactctctc tgctcttctt ctacctttca agtttttaaa gtattaagat ggcagagaca 120
 ttcctattta cctcagagtc agtgaacgag ggacaccctg acaagctctg cgaccaaadc 180
 tccgatgctg tnntcgacgc ttgccttgaa caggacccag acagcaaggt tgcctgcgaa 240
 acatgcacca agaccaactt ggtcatggtc ttcggagaga tcacca 286

<210> 2113
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2113

cacgtcgcan gcacgcgtac gtaagctcgg aattcggctc gagtgacaag gagattctgc 60
 aaattgtgaa ggagaatttc gacttcagac ctggaatgat caccattaac ttggacctta 120
 agaggggtgg tcatagggtc ctcaagacag ctgcttatgg acactttgga agggatgatg 180
 cagacttcac ctgggaagtt gtgaagccac tcaagtcaga gaagcctcaa gcttaagagt 240
 gttgttaagt taatcactcc cttcagtga tgtcttgctg ggtgtggatg aataatttgc 300
 gtgtttcatg actact 316

<210> 2114
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2114

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gaagtacctt gatgacatgc tctttaaggt ccgcagcaat ttgatcattg ctcacagtct 120
 ncatcatggt ggggtggacct taaagagcan nttntcaage ctgtcattcc tgagaagtac 180
 cttgatgaga agaccatctt ccaccttaac ccttctggcc gttttgtcat tgggtggccct 240
 catggtgang ctgcnctcac tggaagaaag atcatcattg atacctatgg tggctgggggt 300
 gctcatgg 308

<210> 2115
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2115

ctngcnctng tacgtnagct cggaattcgg ctcgaggnac caagccccac tcaaccacca 60
 cacnactctc tctgctcttc ttctaccttt caagttttta aagtattaag atggcagaga 120
 cattcctatt tacctcagag tcagtgaacg agggacaccc tgacaagctc tgcgaccaaa 180
 tctccgatgc tgtcctcgac gcttgcccttg aacaggaccc agacagcaag gttgcctgcg 240
 aaacatgcac caagaccaac ttggtcatgg tcttcggaga gatc 284

<210> 2116
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2116

cgcangcacg cgtacgtaag ctcggaattc ggctcgagcc aagccccact caaccaccac 60
 accactctct ctgctcttct tctacctttc aagtttttaa agtattaaga tggcagagac 120
 attcctattt acctcagagt cagtgaacga gggacaccct gacaagctct gcgaccaaatt 180
 ctccgatgct gtcctcgacg cttgccttga acaggaccca gacagcaagg ttgcctgcga 240
 aacatgcacc aagaccaact tgggtcatgg cttcggagag atc 283

<210> 2117
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2117

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 gcggggttact gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctccttgcca 120
 gaancgcaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
 ccctgacagc aagggttgct gtgaaacctg caccaagacc aacatgggtga tggttttc 298

<210> 2118
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2118

annnaancaa gcgtacgtaa gctcgggaatt cggctcgagg ttaggttctg cacgctctgc 60
 ttccagcgag tggttcttct tcgtttcaac accttaattt gcacacgctg cttcttcagc 120
 ttgagaaatg gcacaagaaa cttttctatt cacatctgaa tctgtaaacg agggtcaccc 180
 cgacaagctg tgcgaccaga tctctgatgc agtgctcgat gcgtgccttg aacaggaccc 240
 tgacagcaag gttgcctgtg agacatgcac caagaccaac atgggtcat 288

<210> 2119
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2119

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 acacctctcn tcgttcangc tannnaaatn ctgctgttct tctacctgtc aagttttgaa 120
 agtatanaga tggcaganac attcctattt acctcanagt cgggtgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgntgct gtcctcgacg cttgcntcga gcagnacca 240
 gacagcaaag ttgccngcga nacatggacc aaaaccaact tggtcatggt ntctcgagaa 300
 atcacgacca aggccaacgt tgactacnn 329

<210> 2120
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2120

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 cttctttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttncctc 120
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccaaaac 240
 caacttggtc atggtcttcg gagaaatcac gaccaag 277

<210> 2121
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2121

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 cgcgtcnctc tngcgcttct tctacctttc aagtttttaa agtattaaga tggcaganac 120
 attcctatth acctcagagt cagtgaacga gggacaccct gacaagctct gcgaccaaht 180
 ctccgatgct gtcctcgacg cttgccttga acaggaccca gacagcaagg ttgcctgcga 240
 aacatgcacc aagaccaact tggatcatggt ctteggagag atcacc 286

<210> 2122
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2122

 annctgaanc gtangnaagc ntacgnattc ngctcgagng gcaggcaagc cccactcaan 60
 caccacacct gctcctgcgt ncangctnac ccgtnnnngan gnnatgacta cctntcaagt 120
 tntaaaagta tngnanatgg cngagacatt cctatthtacc tcagagtcgg tgaacgaggg 180
 acaccctgac aagctctgcg accaaatctc cgntgctgtc ctcgacgctt gcctcgagca 240

ggacccagac agcaaagttg cctgcgaaac atgcaccacc accaagttgg tcatgggtctt 300
 cggagaaaatc acgaccaagg cnaacgttac tacgagann 339

<210> 2123
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2123

anctcttacc ggctntntng cccaaaaatng tanangcttc ccggctcgac ncacgcgten 60
 gtacggctgc gagaagacga cagaaggggg cagctcttga ttnnaggnc ngcaancccc 120
 actcaancac cacacctctc ctcggttcacg ctatcccttt ctgctcttct tctacctttc 180
 angttttaan agtacncaca tggcaagaca cattcctatt tanctnagac tcggtgaann 240
 acggacaccc tgacaagctc tgcgaccaa tctccgatnc tgtcctcgac gcttgccctcg 300
 ancaggactc agacancana nttgcctgcn aaacatgcac caaaaccaac ttgggtcatgg 360
 tcttcngaga antcacgacc aaggccaacn ttgactacga aaaganngtg cgttacacct 420
 gccgggaaca tcggcttctt tcnaaatgat gttgggactg gatgccgacc actgcatngg 480

<210> 2124
 <211> 307
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2124

anntcgcang cacgcgtacg tnagctcgga attcggctcg agccttaaca acagcacaaa 60
 gcgggttact gtctgttcaa gctaccatct ctctctctac tttcttagtg cctccttgcc 120
 agangttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
 nncctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atgggttttcg 300
 gagagat 307

<210> 2125
 <211> 307
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2125

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tcgnngacgc gtacgtaagc tcggaattcg gctcgaggac ttaacaacag cacaaagcgg 60
gttactgtct gttcaagcta ccattctctt ctctctctt ctnagtgcct ccttgccaga 120
agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
tgaaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatgg tttcggagag 300
atcaca                                           307
```

<210> 2126

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2126

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ttcgcatgca cgcgtacgta agctcggaa tcggctcgag caacagcaca aagcgggtta 60
ctgtctgttc aagctaccat ctctctctt ctttcttagt gcctccttgc cagaagttaa 120
aatggcccaa gaaactttcc tattcacatc tgaatcagt aacgaggggc accctgacaa 180
gctctgtnac cagatctccg atgctgtgct cgatgcatgc ttggagcagg accctgacag 240
caaggttgcc tgtgnaaacc tggcaccaag accaacaatg tgatggtttt cggagagatc 300
acaaccaag                                           309
```

<210> 2127

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2127

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aaaanntnaa nagegtacgt aagctcggaa ttcggctcga gnagacacac tcgttcatat 60
atctctctgc tcttctcttc tcttctacct ctcaagtttt tgaagtataa agatggnaga 120
gacattccta ttcacctcgg agtcagtga cgagggacac cctgataagc tctgcgacca 180
aatctccgat gctgtcctcg acgcttgct cgaacaggac ccaganagca aggttgctg 240
```

cgaaacatgc accaagacca attggtcatg gtcttcggag agatcaccac caaggccaac 300
gt 302

<210> 2128
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2128

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag cacanagcgg gttactgtct 60
gttcaagcta ccattctctac tctctctttc ttagtgcttc cttgccagaa gttanaatgg 120
cccaagaaac ttctctattc acgtctgaat cagtgaacga ggggcaccct gacaagctct 180
gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct gacagcaagg 240
ttgcctgtga aacctgcacc aagaccaaca tggatgatgt tttcggag 288

<210> 2129
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2129

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tctgctcttc tcttctcttc tacctctcaa gtttttgaag tataaagatg gcagagacat 120
tcctattcac ctccgagtc gtgaacgagg gacaccctga taagctctgc gaccaaactc 180
ccgatgctgt cctcgacgct tgccctgaac aggaccacaga cagcaagggt gcctgcgaaa 240
catgcaccaa gaccaacttg gtcattgtct tcggagaga 279

<210> 2130
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2130

cgtcgcntgc acgcgtacgt aagctcgga attcggctcg agcgagccat ttgggagtta 60

ggttctgcac gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca 120
 cacgctgctt cttcagcttg agaaatggca caagaaacct ttctattcac atctgaatct 180
 gtaaacgagg gtcaccccgca.caagctgtgc gaccagatct ctgatgcagt gctcgatgcg 240
 tgccttgaac aggaccctga cagcaagggt gcctgtgaga catgcaccaa gaccaacatg 300
 g 301

<210> 2131
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2131

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 aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
 cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
 accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
 accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atgggttttn 299

<210> 2132
 <211> 299
 <212> DNA
 <213> Glycine max
 <400> 2132

gtcgcatgca cgcgtacgta agctcggaaat tcggctcgag gcagacttaa caacagcaca 60
 aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
 cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
 accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
 accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg atgggttttc 299

<210> 2133
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2133

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gaaggagaat ttcgacttca gacctggaat gatcaccatt aacttggacc ttaagagggg 120

tggccatagg ttcctcaaga cagctgctta tggacacttt ggaagggatg accctgactt 180

cacctgggaa gttgtgaagc cactcaagtc tgagaagcct caagcttaag attgtttgtga 240

agttaatcac tcccttcaat ggatgtcttg ctaggtgtgg atgaataatt tgcgtgttcc 300

atgactacta ctacttcac 320

<210> 2134

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2134

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caccacacct ctctcgttc acgctacccc tttctgctct tcttctacct ttcaagtttt 120

aaaagtataa agatggcaga gacattccta tttacctcag agtcggtgaa cgagggacac 180

cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac 240

ccagacagca aagttgcctg cgaaatntgc accaaaacca acttggtcat ggtcttcgga 300

gaaatcacga cca 313

<210> 2135

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2135

angnatcgca ngcncgcgta cgtnagctcg gaattcggct cgagggccag gcaagcccca 60

ctcaaccacc acacctctcc tcgttcncgc taccocctttc tgctcttctt ctacctttca 120

ngtttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag 180

ggacaccctg acaagctctg cgaccaaadc tccgatgctg tcctcgacgc ttgcctcgag 240

caggacccag acagcaaagt tgcttgcgaa acatgcacca aaaccaactt ggtcatggtc 300

ttcggagaaa tcacga 316

<210> 2136
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2136

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 cacacctctc ctcgttcacg ctaccctttt ctngctcttc ttctaccttt ccaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa cttggtcatg gtcttcggag 300
 aaatcacga 309

<210> 2137
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2137

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 tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt aaaatggccc 120
 aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccngac aagctctgtg 180
 accagatctc cgatgctgtg ctcgatgcat gcttgagagca ggaccctgac agcaagggtg 240
 cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt 280

<210> 2138
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2138

gtcgcangca cgcgtacgta agctcggaa tcggctcgag cggctcgaga tttgggagtt 60
 aggttctgca cgctctgctt ccagcgagtg ttctttcttc gtttcaacac ctttaatttg 120

acacgctgct tcttcagctt gagaaatggc acaagaaacc tttctattca catctgaatc 180
 tgtaaacgag ggtcaccccg acaagctgtg cgaccagatc tctgatgcag tgctcgatgc 240
 gtgccttgaa caggaccctg acagcaaggt tgcctgtgag acatgcacca agaccaacat 300
 ggt 303

<210> 2139
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2139

gtcgnatgca cgcgtacgta agctcggaat tcggctcgag tttgggagtt aggttctgca 60
 cgctctgctt ccagcgagtg ttctttcttc gtttcaacac cttaatttgc acacgctgct 120
 tcttcagctt gagaaatggc acaagaaacc tttctattca catctgaatc tgtaaacgag 180
 ggtcaccccg acaagctgtg cgaccagatc tctgatgcag tgctcgatgc gtgccttgaa 240
 caggaccctg acagcaaggt tgcctgtgag acatgcacca agaccaacat ggt 293

<210> 2140
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2140

antcncngca cgcgtacgta agctcggaat tcggctcgag tgatttgagg ccaggcaagc 60
 cccactcaac caccacacct ctctcgttc acgctacccc tttctgctct tcttctacct 120
 ttcaagtttt aaaagtataa agatggcaga gacattccta tttacctcag agtcggtgaa 180
 cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct 240
 cgagcaggac ccagacagca aagtngcctg cgaaanatgc accagaacca acttggtcat 300
 ggtcttcgga gaaatcacga ccaag 325

<210> 2141
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2141

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ntcgcangca cgcgtacgta agctcgggaat tcggctcgag ctgacaagga gattcttcaa   60
attgtgaagg agaattncga cttcanacct ggaatgatca ccattaactt ggaccttaag  120
aggggtggcc ataggttcct caagacagct gcttatggac actttggaag ggatgaccct  180
gacttcacct gggaagtgtg gaagccactc aagtctgaga agcctcaagc ttaagattgt  240
tgtgaagtta atcactccct tcaatggatg tcttgctagg tgtggatgaa taatttgc   298
```

<210> 2142
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2142

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cgctnnacgt cgcangcacg cgtacgtaan ctcggaattc ggctcgagnt tgggagttag   60
gttctgcacg ctctgcttcc agcgagtgtt ctttcttcgt ttcaacacct taatttgcac  120
acgctgcttc ttcagcttga gaaatggcac aagaaacctt tctattcaca tctgaatctg  180
taaacgaggg tcaccccgac aagctgtgcy accagatctc tgatgcagtg ctcgatgcgt  240
gccttgaaca ggacctgac agcaaggttg cctgtgagac atgcaccaag accaacaatgg  300
t                                                                    301
```

<210> 2143
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2143

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gcgtacgtaa gctcgggaatt cggctcgagc aacagcacia agcgggttac tgtctgttca   60
agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa atggcccaag  120
aaactttcct attcacatct gaatnagtga acgaggggca ccctgacaag ctctgtgacc  180
agatctccga tgctgtgctc gatgcatgct tggagcagga ccctgacagc aaggttgccct  240
gtgaaacctg caccaagacc aacatggtga tggttttcgg aga                          283
```

<210> 2144
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2144

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ncgtcgcacg cagcggtacg taagctcgga attcggctcg agcaacagca caaagcgggt 60
tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac 180
aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca ggaccctgac 240
agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt cgg 293
```

<210> 2145
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2145

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gtcgcangca cgcgtacgta agctcggaat tcggctcgag cttaacaaca gcacaaagcg 60
ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgcctc cttgccagtt 120
aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac 180
aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca ggaccctgac 240
agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt cgga 294
```

<210> 2146
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2146

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gtcgcangca cgcgtacgta agctcggaat tcggctcgag acttaacaac agcacaaagc 60
gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc 240
```


tgacagcaag gttgcctgtg aaacctgcac caagaccaac atggtgatgg t 291

<210> 2147

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2147

acgcgtacgt aagctcggaa ttcggctcga gggccaggca agccccactc aaccaccaca 60

cntctcctgc gttcangcta cccctttctn gctcttcttc tacctntcaa gtnttaaaag 120

tataaagatg gcagagacat tcctatttac ctgagagtcg gtgaacgagg gacaccctgn 180

caagctctgc gaccaaactc ccgatgctgt cctcgacgct tgcctcgagc aggaccaga 240

cagcaaagtt gcctggcgaa acatgcacca ntnnnacttg gtcatggtct tcggagaaat 300

cacgaccaag gccaacgttg actacgagaa gatagtgcgt 340

<210> 2148

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2148

agnanctgca cgcgtacgta agctcggaaat tcggctcgag atttgaggnc aggcaagccc 60

cactcaacca ccacacctct cctcgttcac gctacccctt tctgctcttc ttctaccttt 120

caagttttta aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg 180

agggacaccc tgacaagctc tgcgaccaa tctccgatgc tgtcctcgac gcttgccctcg 240

agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaaaccaac ttggtcatgg 300

tcttcggaga aatcacgac 319

<210> 2149

<211> 198

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2149

tagtgcctcc	ttgccagaag	ttaaaatggc	ccaaganact	ttcctattca	natctgaatc	60
agtgaacgag	gggcaccctg	acaagctctg	tgaccagatc	tccgatgctg	tgctcgatgc	120
atgcttgag	caggaccctg	acagcaaggt	tgctgtgaa	acctgcacca	agaccaacat	180
ggtgatgggt	ttcgga					198

<210> 2150
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2150

ngtcncangc	acgcgtacgt	nagctcggaa	ttcggctcga	ggcacaaagn	gggttactgt	60
ctgttcaagc	taccatctct	ctctctgctt	tgcttagtgc	ctccttgcca	gaagttaaaa	120
tggcccaaga	aactttccta	ttcacatctg	aatcagtga	cgaggggcac	cctgacaagc	180
tctgtgacca	gatctccgat	gctgtgctcn	ngccatgctt	ggagcaggac	cctgacagca	240
aggttgcntg	tgaacacctg	accaagacca	acatgggtgat	ggttttcgga	gag	293

<210> 2151
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2151

agttgcatgc	actcgtacgt	aagctcggaa	ttcggctcga	ggtcttcgga	gaaatcacga	60
ccaaggccaa	cgttgactac	gagaagatag	tgctgacac	ctgcaggaac	atgcggcttc	120
cgtctcaa	gatgtgggac	tggtatgccga	caactgcaag	gtcctcgtca	acattgagca	180
gcagagccnt	gatattgcct	caggggtgtac	acggnccacc	ttacnnnnaa	acctgaagaa	240
nttggtgctg	gtgaccaggg	tccacatggt	tggtatgcc	atgatgaaac	cccnc	295

<210> 2152
 <211> 219
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2152

tagtgcctcc tgcgcagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
 agtgaacgag gggcaccctg acaagtctgt gaccagatct ccgatgctgt gctcgatgca 120
 tgcttggagc aggaccctga cagcaagggt gcctgtgaaa cctggcacca agaccaacat 180
 ggtgatgggt ttcggagaga tcacaancaa ggccaacgt 219

<210> 2153
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2153

tantgcctcc ttgtcagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
 agtgaacgag gggcaccatc gacaagctct gtgaccagat ctccgatgct gtgctcgatg 120
 catgcttggg gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagnaccaac 180
 atggtgatgg ttttcggaga gatcacaacc aaggccaa 218

<210> 2154
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2154

cangcgtacg taagctcgga attcggctcg agacagcaca aagcgggtta ctgtctgtnc 60
 aagcnaccat ctncctctct ctttcttagt gcctccttgc cagaagttaa aatggcccaa 120
 gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa gctctgtgac 180
 cagatctccg atggctgtnc tcgatgcatg cttggagcag gaccctgaca gcnaggttgc 240
 ctgtgaaacc tgcaccaaga ccaacatggt gatgggttttc ggagagatca n 291

<210> 2155
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2155

tncngtnnnn ngcacgcgta cgtaagctcg gaattcggct cgagnactta anaanagcac 60
aaagcggggtt actgtctgtt caagctanca tctctctctc tctttcttag tgcctccttg 120
ccagaagtta aaatgggccc aagaaacttt cctattcaca tntgaatcag tgaacgaggg 180
gcacctgac aagctctgtg accagatctc cgatgctgtg cttcgatgca tgcttgagac 240
aggaccctga cagcaagggtt gcctgtgaaa cctgcaccaa gaccaacatg gtgatgggtt 300
tcggagaga 309

<210> 2156
<211> 313
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2156

nantcgcatn cacgcgtacg taagctcgag aatggccacn cacgccccac tcaaccacta 60
nacntntcct cnttcacgct acccctttct gctctncttn tacntttcaa gttttaaaan 120
nataaagatg gcagagacat tcctatttan ctcagagtcg gtgaacgagg gacaccctga 180
caagctctgc gaccaaactc ccgatgctgt cctcgacgct tgcctcgagc aggaccacaga 240
cagcaaagtt gcctgcgana catgccacca aaaccaactt ggtcatggtc ttcggagaaa 300
tcacgaccaa ggc 313

<210> 2157
<211> 294
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2157

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gggtcatata tctctctgct 60
cttctcttct cttctacctc ncaagttttt gaagtataaa gatggcagag acattnccta 120
ttcacctcgg agtcagtga caggggacac cctgataagc tctgacacca aatctccgat 180
gctgtcctcg acgcttgctt cgaacaggac ccagacagca aggttgcttg cgaaacatgc 240
accaagacca acttggttca tggctcttcg agagatcacc accaaggcca acgt 294

<210> 2158

<211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2158

cncgcacgcg tacgtaagct cggaattcgg ctcgagaaag cgggttactg tctgttcaag 60
 ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat ggccaagaa 120
 actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagct ctgtgaccag 180
 atctccgatg ctgtgctcga tgcattgctt gagcaggacc ctgacagcaa ggttgccctgt 240
 gaaacctggc accaagacca acatggtgat ggttttcgga gagat 285

<210> 2159
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2159

gcacgngtac gtnagctcgg aattcggctc gaggccatit gggagttagg ttctgcacgc 60
 tctgcttcca gcgagtgttc tttcttcgtt tcaacacctt aatttgcaca cgctgcttct 120
 tcagcttgag aaatggcaca agaaaccttt ctattcacat ctgaatctgt aaacgagggt 180
 caccgacgaca agctgtgcga ccagatctct gatgcagtgc tcgatgcgtg ccttgaacag 240
 gaccctgaca gcaaggttgn ctgtgagact gcaccaagac caacatggtc atggctcttg 300

<210> 2160
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2160

gtcgcangca cgcgtacgta agctcggaat tcggctcggn ctcgagccga atcggtctga 60
 gccaaaccgat gaaacccccg agtaactgcc cctcagccat nctccttgca accaaacttg 120
 gngctcgcnt cacagagggt aggaagaatg gcacctgtgc ttggttgagg ccagatggta 180
 agacacaagt aaccgtcgag tactacaatg acaatggtgc catggttcca gttcgtgtcc 240
 aactgtcct aatttcca 258

<210> 2161
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2161

gtcgcangcn cgcgtacgtn nagctcggaa ttcggctcga gcttgatttg aggccaggca 60
 agccccactc aacnaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta 120
 ccttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg 180
 aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc 240
 ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcacaaaaac caattggtca 300
 tggctcttcg agaaatcacg accaaggcca acgtt 335

<210> 2162
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2162

cgcaggaccc cccacncnag ctcggaattc ggctcgagcc aagncccact caaccaccac 60
 accactctct ctgctcttct tctacctttc aagtnngtaa agtattaaga tggcagagac 120
 attcctatth acctcagagt cagtgaacga gggacaccct gacaagctct gcgaccaaht 180
 ctccgatgct gtcctcgacg cttgccttga acaggacca gacagcaagg ttgcctgcga 240
 aacatgcacc aagaccaact tggatcatggt cttggagaga tcaccac 287

<210> 2163
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2163

cngtangacg tcgcatgcac gcgtacgtaa gctcggaaat tcggctcgag ngacntaaca 60
 acagcacaaa gcgggttact gtctgttcaa gntanccatc tntgctctct ctttcttagt 120

gcctccttgc nagaagntan aatggcccaa gnaaactttc ctattcacat ctgaatcagt 180
gancgagggg caccctgaca agctctgtga ncagatctcc gatgctgtgc tcgatgcatg 240
cttggagcag gaccctnaca gcaagggtgc ctgtgaaacc tgcaccaaga ccaanatggt 300
gatngttttc ggagagatc 319

<210> 2164
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2164

nagnntntgc acgcgtacgt aagctcggaa ttcggctcna gcacaaagcg ggttactggc 60
tgtncaaagct accattctct ctctctcttt cttagtgcct ccttgccata agttaaaatg 120
gcccnagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc tgacaagctc 180
tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc tnacagcaag 240
gttgccctgtg aaacctgcac caagaccaac atgggtgatgg tttcggagag atcacgacca 300
aggncaantg ggtntgagaa gatngtg 327

<210> 2165
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2165

gtcgcattgca cgcgtacgta agctcggaa ttcggctcgag ggccaggcaa gcccactca 60
accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt 120
ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
accagacag caaagttgcc tgcgaaacat gcaccanaac caacttggtc atggtcttcg 300
gagaaatca 309

<210> 2166
<211> 260
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2166

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aagccccact caaccaccac acctctcttc gttcacgcta cccctttctg ctctttcttct 60
acctttcaag ttttaaaagt ataaagatgg cagagacatt cctattttacc tcagagtcgg 120
tgaacgaggg acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt 180
gcctcgagca ggaccagac agcaaagttg cctgcgaaac atgcacaaaa accaacttgg 240
tcatggtctt cggagaaatc 260
```

<210> 2167

<211> 266

<212> DNA

<213> Glycine max

<400> 2167

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aggcaagccc cactcaacca ccacacctct cctcggtcac gctaccctt tctgctcttc 60
ttctaccttt caagttttta aagtataaag atggcagaga cattcctatt tacctcagag 120
tcggtgaacg agggacaccc tgacaagctc tgcgacaaaa tctccgatgc tgtcctcgac 180
gcttgccctg agcaggaccc agacagcaaa gttggctgcg aaacatgcac caaaaccaac 240
ttggtcatgg tcttcggaga aatcac 266
```

<210> 2168

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2168

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agncgntgca cgcgtacgta agctcggaat tcnctcgag gccaggcaag cccactcaa 60
ccaccacacc ttctccttcg ttcacgtac ccctttctgc ttctttcttct acctttcaag 120
ttttaaagt ataaagatgg cagagacatt cctattttacc tcagagtcgg tgaacgaggg 180
acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca 240
ggaccagac agcaaagttg cctgcgaaac atgcaccana accaacttgg tcatggtctt 300
cggagaaatc acg 313
```


<210> 2169
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2169

angcacgcgt acgtaagctc ggaattcggc tcgaggccat ttgggagtta ggttctgcac 60
 gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca cacgctgctt 120
 cttcngcttg agaaatggca caagaaacct ttctattcac atctgaatct gtaaaccgagg 180
 gtcaccccgga caagctgtgc gaccagatct ctgatgcagt gctcgatgcg tgccttgaac 240
 aggacctga cagcaagggt gcctgtgaga catgcaccaa gaccaacatg 290

<210> 2170
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2170

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcgagccga attcggctcg 60
 nggagaaatc acgaccangg ccaaanttga ctacgagaag anngtgctg acacctgcag 120
 gancatcggc ntcgtcncaa atgatgtggg actggangcc gacaactgca aggtcctcgt 180
 caacatngag cagcanagcc ctganattgc tcaggngta cncggccacc ttacaaaaa 240
 acctgaagaa attggtgcng g 261

<210> 2171
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2171

gtgcattcgt acgtaagctc ggaattcngc tcgaggccag gcaagcccca ctcaaccacc 60
 acacctctcc tcgttcacgc tacccttttc tgctcttctt ctacctttca agttttaaaa 120
 gtataaagat ggcagagacn ttctatttta cctcagagtc ggtgaacgag ggacaccctg 180
 acaagctctg cgaccaaate tccgatgctg tcctcgacgc ttgcctcgag caggaccag 240

acagcaaagt tgcctgcgaa acatgcacca aaaccanctt ggatcatggc ttcggagaaa 300
tcacg 305

<210> 2172
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2172

tgcgancac gcgtacgtaa gctcggaatt ctncctcgagg caagccccac tcaaccacca 60
cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120
tataaagatg gcagagacat tcctatttac ctgagatcg gtgaacgagg gacaccctga 180
caagctctgc gaccaaactc ccgatgctgt cctcgacgct tgcctcgagc aggaccacaga 240
cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg gtcatggctc tccgagaaat 300
caga 304

<210> 2173
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2173

ngangcacgc gtacgtaagc tcggaattcn gctcgaggca agccccactc aaccaccaca 60
cctctcctcg ttcacgctac cccctttctgc tcttcttcta cctttcaagt tttaaaagta 120
taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga caccctgaca 180
agctctgcga ccaaactctc gatgctgtcc tcgacgcttg cctcgagcag gaccagaca 240
gcnaagttgc ctgcgaaaca tgcaccanaa ccaacttggc catggtcttc ggagaaatca 300
cganca 306

<210> 2174
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2174

nnncanangc acgcgtacgt aagctcggaa ttcggctcga gcggctcgag accactctct 60
ctgctcttct tctacctttc aagtttttaa agtattaaga tggcagagac attcctatct 120
accttcagag tcagtgaacg agggacaccc tgacaagctc tgcgaccaa tctccgatgc 180
tgtcctcgac gcttgccttg ancaggaccc agacagcaag gttgcctgcg aaacatgcac 240
caagaccaac ttggtcatgg tcttcggaga gatcaccacc aag 283

<210> 2175

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2175

nngtcgcctg cacgcgtacg tnagctcgga attcggctcg aggttactgt ctgttcaagc 60
taccatctct ctctctcttn cttagtgcct ccttgnccag aagttaaaat ggcccaagaa 120
actttcctat tcacatctga atcagtgaac gangggcacc tgacaagctc tgtgaccaga 180
nctccgatgc tgtgctcgat gcatgcttgg agcaggacct gacagcaagg ttgcctgtga 240
aacctgcacc aagaccaaca tggatgatgg tttcggagag atcanaacca agggccaacng 300
tgannaataa ganatgtgcn t 321

<210> 2176

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2176

aagcnccact caaccaccac accactctct ctgntctnct tctacctttc aagtttttaa 60
agtattaaga tggcanagac attcctatctt acctcagagt cagtgaacga nggacaccct 120
gacaagctct gcgaccaa atnccgatgct gtcctcgacg cttgccttga acaggacca 180
gacagcaagg ttgctgcgga aacatgcacc agaccacttg gtcatggtct tngaganatc 240
accaccaagg ccacgttgac tacgaganga tcgtgcgtga cacctgcaga acatcggtt 300
cggtt 304

<210> 2177
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2177

cacgcgtacg taagctcgga attcggctcg aggcagactt ancaacagca caaagcgggt 60
 tactgtcngt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
 aaaatggcnc aagaaacttt cntattcaca tctgaatcag ngaacgaggg gcaccctgac 180
 aagctctgtg accagatctc cgatgctgtg ctcgntgcat gcttggagca ggaccctgan 240
 agcaagggtg cctgtgaaac ctggcaccan gaccaacatg gtgatggttt tcggaga 297

<210> 2178
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2178

gtacangcac gcgtacgtaa gctcgggaatt cggctcgagg cagacttaac aacagcacaa 60
 agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
 ccctgacagc aaggttgcct gtgaaacctg caccaagcca acatgggtgat ggttttcgga 300
 gagatcacia 310

<210> 2179
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2179

cgcgtacgtn agctcggaat tcggctcgag cttacaaca gcacaaagcg gggttactgtc 60
 tgttcaagct accatctctc tctctctttc ttagtgctc cttgccagaa gttaaaatgg 120
 cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctct 180

gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct gacagcaagg 240
 ttgcctgtga aacctgcacc aagaccaaca tggtgatg 278

<210> 2180
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2180

cgcattgcacg cgtacgtaag ctcggaattc ggctcgagca acagcanaaa gcgggttact 60
 gtctgttcaa gctaccatct ctctctctct ttcttagtgc ctccttgcca gaagttaaaa 120
 tggcccaaga aactttccta ttcacatctg aatcagtga cgaggggcac cctgacaagc 180
 tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca 240
 aggttgcttg tgaacctgc accaagacca acatggtgat g 281

<210> 2181
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2181

gnnnangcac gcgtacgtna gctcggaatt cggctcgagg gccaggcaag ccccaactcaa 60
 ccaccacacc tctcctcgnn cacgctgacc cctntctgct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
 accctgacaa gctctgcgac caaatctccg atgcngtcct cgacgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgogaaacat gcaccanaac caacttggtc atggtcttcg 300
 gagaa 305

<210> 2182
 <211> 277
 <212> DNA
 <213> Glycine max
 <400> 2182

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag cacaaagcgg gtcactgtct 60

gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag ttaaaatggc 120
ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg acaagctctg 180
tgaccagatc tccgatgctg tgctcgatgc atgcttggag caggaccctg acagcaaggt 240
tgctgtgaa acctgcacca agaccaacat ggtgatg 277

<210> 2183
<211> 187
<212> DNA
<213> Glycine max

<400> 2183

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
atgcttggag caggaccctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180
ggtgatg 187

<210> 2184
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2184

tcgcangcac gcgtacgtaa gctcggaatt cngctcgagc aacagcacia agcgggttac 60
tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa 120
atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca cctgacaag 180
ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga cctgacagc 240
aaggttgctt gtgaaacctg caccaagacc aacatggtga tg 282

<210> 2185
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2185

gtcgcangca cgcgtacgta agctcggnat tcggctcgan ctcgagccga attcgggctc 60

gantatacaa cagcaciaaag cgggactact gtctgttcaa gactaccatc tctntctctc 120
 tttcttagtg cctccttgcc agaagttaaa atggcccaan aaactttcct attcacatct 180
 gaatcngtga acgaggggca ccctgacaag ctctgtgacc agatctccga tgctgtgctc 240
 gatgcatgct tggagcagga ccctgacagc aagggtgcct gtgaaacctg caccaagacc 300
 aacatggtga tgggt 315

<210> 2186
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2186

anacgcangc acgcgtacgt aagctcggaa ttcngctcga gggcaagccc cactcaacca 60
 ccacacctct cctcggtcac gctacccctt tctgctcttc ttctaccttt caagttttaa 120
 aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc 180
 tgacaagctc tgcgacaaa tctccgatgc tgcctcgac gcttgccctcg agcaggaccc 240
 agacagcaaa gttgcctgcg aaacatgnac caaaaccaac ttggatcatgg tcttcggaga 300
 aat 303

<210> 2187
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2187

acgtcgcang cacgcgtacg taagctcggaa attcngctcg aggccccact caaccaccac 60
 accnctcctc gttcacgcta cccctttctg ctcttcttct acctttcaag ttttaaaagt 120
 ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg acaccctgac 180
 aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca ggacccagac 240
 agcaaagttg cctgcgaaac atgcacaaa accaacttgg tcatggtctt cggagaa 297

<210> 2188
 <211> 276

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2188

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cgcntgcacg cgtacgtnag ctcggaattc ggctcgaggc acaaagcggg ttactgtctg 60
ttcaagctac catctctctc tctctttctt agtgcctcnt tgccagaagt taaaatggcc 120
caagaaactt tcctattcac atctgancca gtgaacgagg ggcaccctga caagctctgt 180
gaccagatct ccgatgctgt gctcgatgca tgcttggagc aggaccctga cagcaagggt 240
gcctgtgaaa cctgcaccaa gaccaacatg gtgatg 276
```

<210> 2189
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2189

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ngtcgcangc acgcgtacgt aagctcggga attcngctcg aggcaagccc cactcaacca 60
ccacacctct cctcggtcac gctacccctt tctgctcttc ttctaccttt caagttttta 120
aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc 180
tgacaagctc tgcgacaaaa tctccgatgc tgtcctcgac gcttgccctcg agcaggaccc 240
agacagcaaa gttgcctgcg aaacatgcac caaaaccaac ttggtcatgg tcttcggaga 300
```

<210> 2190
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2190

```
gcntangtac gcnnacgtaa gctcggaatt cggctcgagc caccacacct ctctcgttc 60
acgctacccc tttcngctct tcttctacct ttcaagtttt aaaagtataa agatggcaga 120
gacattccta ttacctcag agtcggtgaa cgaggacac cctgacaagc tctgcgacca 180
aatctccgat gctgtcctcg acgcttgctt cgagcaggac ccagacagca aagttgcctg 240
cgaaacatgc accaaaacca acttggtcat ggtcttcgga gaa 283
```


<210> 2191
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2191

```
tcgtcgcang cacgcgtacg taagctcggg attcggctcg agaggcaagc cccactcaac 60
caccacacct ctctcgttc acgctacccc tttctgctct tcttctacct ttcaagtttt 120
aaaagtataa agatggcaga gacattccta tttacctcag agtcggtgaa cgagggacac 180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac 240
ccagacagca aagttgcctg cgaaacatgc accaaaacca acttggtcat ggtcttcgga 300
gaa 303
```

<210> 2192
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2192

```
tntcnncna aagtcgcatg cacgcntacg taagctcggg aattcggctc gagggccagg 60
caagccccac tcaaccacca cacctctcct cgttcacgct acccctttct ggctcttctt 120
ctacctttca agtttttaaaa gtataaagat ggcagagaca ttctatttta cctcagagtc 180
ggtgaacgag ggacaccctg acaagctctg cgaccaaata tccgatgctg tcctcgacgc 240
ttgcctcgag caggacccag acagcaaagt tgctcgcaa acatgcacca aaaccaactt 300
ggtcatggtc ttcggagaaa 320
```

<210> 2193
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2193

```
agttnngcac gcgtacgtaa gctcgggaatt cggctcgaga ggcaagcccc actcaaccac 60
cacacctctc ctcgttcacg ctaccctttt ctgctcttct tctacctttc aagtttttaa 120
```

agtataaaga tggcagagac attcctatattt acctcagagt cggatgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg cttgcctcga gcaggaccca 240
 gacagcaaag ttgcctgcga aacatgcacc aaaaccaact tggatcatggt cttcggagaa 300
 a 301

<210> 2194
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 2194
 gcatgcacgc gtacgtaagc tcggaattcg gctcgagcca agccccactc aaccaccaca 60
 ccactctctc tgctcttctt ctacctttca agtttttaaa gtattaagat ggcagagaca 120
 ttctatttta cctcagagtc agtgaacgag ggacaccctg acaagctctg cgaccaaattc 180
 tccgatgctg tcctcgacgc ttgccttgaa caggaccag acagcaaggt tgctgcgaa 240
 acatgcacca agaccaactt ggtcatgggtc tcggagagat cacc 284

<210> 2195
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2195

ncacgtcgca ngcacgcnta cgtaagctcg gaattcggct cgagcaacag cacaagcgg 60
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag 120
 ttaaaatggc ccaaganact ttctatttca catctgaatc agtgaacgag gggcaccctg 180
 acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgag caggaccctg 240
 acagcaaggt tgctgtgaa acctgcacca agaccaacat ggtgatgg 288

<210> 2196
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2196

cgcnttacgc gtacgtaagc tcggaattcg gctcgaggcc atttgggagt taggttctgc 60
acgctctgct tccagcgagt gttctttctt cgtttcaaca ccttaatttg cacacgctgc 120
ttcttcngct tgagaaatgg cacaaaaacc tttctattca catctgaatc tgtaaacgan 180
ggtcaccccg acaagctgtg cgaccagatc tctgatgcag tgctcgatgc gtgccttgaa 240
caggaccctg acagcaangt tgcctgtgag acatgcacca ngaccaacat gg 292

<210> 2197
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2197

ctcngctcgc ntacgtnanc tcggaattcg gctcgagnna tttgaggcca ggcaagcncc 60
actcaaccac cacacctctc ctcggtcacg ctaccctttt ctgctcttct tctacctttc 120
aagttttaaag agtataaaga tggcaganac attcctattht acctcagagt cgggtgaacga 180
gggacaccct gacaagctct gcgaccaaht ctccgatgct gtcctcgacg cttgcntcga 240
gcaggaccca gacagcaaag ttgcctgcna nacatgcacc aaaaccaact tggatcatggt 300
cttcggagaa atcacg 316

<210> 2198
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2198

cgcattgcagc gtacgtnagc tcggaattcg gctcgaggng ccaggcaagc cccactcaac 60
caccacacct ctctcgttcc acgtatcccc tttctgctct tcncttacc tttcaagttt 120
taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
ccctgacaag ctctgcgacc aaatctccga tgctgtcttc gacgcttgcc tgcagcagga 240
cccagacagc aaagttgcct gcgaaacatg caccaanacc aacttggtea tggctcttcg 300
agaaa 305

<210> 2199
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2199

ngtcgcangc acgcgtacgt aanctcggaa ttcggctcga gtttgggagt taggttctgc 60
 acgctctgct tccagcgagt gttctttctt cgtttcaaca ccttaatttg cacacgctgc 120
 ttcttcagct tgagaaatgg cacaagaaac ctttctattc anatctgaat ctgtaaacga 180
 gggtcacccc gacaagctgt gngaccagat ctctgatgca gtgcccgatg cgtgccttga 240
 acaggncctt gacancaagg ttgcctgtga gacatgnacc aagaccaana tggatcatgtt 300
 t 301

<210> 2200
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2200

gtcgcangca cgcgtacgta agctcggaa ttcggctcgag gacttaacaa cagcacaaaag 60
 cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
 aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
 ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc 240
 ctgacagcaa ggttgctgtg gaaacctgca ccaagaccna catggtgat 289

<210> 2201
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2201

gtcgcattga cgcgtacgta agctcggaa tnnctcgag ggccaggcaa gcccactca 60
 accaccacac ctctctctgt tcacgtacc cttttctggc tcttcttcta cttttcaagt 120
 tttaaaagta taaagatggc agagacattc ctatttacct cagatcggt gaacgaggga 180

caccctgaca agctctgcga ccaaatctcc gatgctgtcc tcgacgcttg cctcgagcag 240
gaccagaca gcaaagttgc ctgcgaaaca tgcaccanaa ccaacttggt catggtcttc 300
ggagaaatc 309

<210> 2202
<211> 250
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2202

gcagacttaa caacagcaca aagcgggta ctgtctgttc aagctaccat ctctctctct 60
nctttcttag tgctccttg ccagaagta aaatggccca agaaactttc ctattcacat 120
ctgaatcagt gaacgagggg caccctgaca agctctgtga ccagatctcc gatgctgtgc 180
tcgatgcatg cttggagcag gaccctgaca gcaagggtgc ctgtgaaacc tgcaccaaga 240
ccaacatggt 250

<210> 2203
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2203

gtcgcacgca cgcgtacgta agctcggat tcggctcgag gcccactca accaccacac 60
ntctcctcgt tcacgctacc cttttctgct cttcttctac ctttcaagtt ncaaaagtat 120
aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac accctgacaa 180
gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag 240
caaagttgcc tgcgaaacat gcacaaaaac caacttggtc atggtcttcg gagag 295

<210> 2204
<211> 272
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2204

gncgcngcac gcgtacgtna gctcgggnatt cggctcgagg gcccactca accaccacac 60

cactctctct gctctttctt tacctttcaa gtttttaaag tattaagatg gcagagacat 120
 tcctatttac ctacagagtc gtgaacgagg gacaccctga caagctctgc gaccaaactct 180
 ccgatgctgt cctcgacgct tgccttgaac aggacccaga cagcaagggt gcctgcgaaa 240
 catgcaccaa gaccaacttg gtcatgggtct tc 272

<210> 2205
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2205

cgtcgcangc acgcgtacgt aagctcgga ttcggctcga gccaaagcccc actcaaccac 60
 cacaccactc tctctgctct tcttctacct ttcaagtttt taaagtatta agatggcaga 120
 gacattccta tttacctcag agtcagtgaa cgaggacac cctgacaagc tctgcgacca 180
 aatctccgat gctgtcctcg acgcttgcc tgaacaggac ccagacagca aggttgccctg 240
 cgaaacatgc accaagacca acttggtcat ggtctt 276

<210> 2206
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2206

ntcntatgca cgcgtacgta agctcggaat tcggctcgag ggccaggcaa gcccactca 60
 accaccacac ctctcctcgt tcaogctacc cctttctgct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgaggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaacat gcacaaaaac caacttggtc atggtcttcg 300
 gagaaat 307

<210> 2207
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2207

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tgcgancac gcgtacgtna gctcggaatt cggctcgagg ccatttggn agttaggttc   60
tgcacgctct gcttcacgc agtggtcttt cttcgtttca acaccttaat ttgcacacgc  120
tgctttcttca gcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa  180
cgaggggtcac cccgacaagc tgtgcgacca gatctctgat gcagtgcctg atgcgtgcct  240
gaacaggacc ctgacagcaa ggttgccctgt gagacatgca ccaagaccaa catggtcagg  300
tcttgagag a                                                         311
```

<210> 2208
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2208

```
nnncgcatgc acgcgtacgt aagctcggaa ttcggctcga ggactgttat gtttaaattg   60
tagtcatggg ggtgtttttg gctgtgaatt tgctcatatg tgctaattat gtgttcttgt  120
ttgatgttac tctacagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc  180
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctncgatg  240
catgcttgga gcaggaccct gacagcaang ttgcctgtga aacctgcacc aagaccaaca  300
tggtgatggt                                                         310
```

<210> 2209
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2209

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tgcgatgcac gcgtacgtaa gctcggaatt cnnctcgagg caagccccac tcaaccacca   60
cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag  120
tataaagatg gcagagacat tcctatttac ctcagagtcg gtgaacgagg gacaccctga  180
caagctctgc gaccaaactc cgatgctgtc ctcgacgctt gcctcgagca ggaccagac  240
```

agcaaagttg cctgcgaaac atgcacaaaa accaacttgg tcatggtctt cggagaaatc 300
acgaccaggc caagttgatt acgagaagta gtgcgtga 338

<210> 2210
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2210

antcncangc acgcgtacgt aagctcggaa ttcggctcga gaacagcaca aagcgggtta 60
ctgtctgttc aagctacat ctctctctct ctttcttagt gcctccttgc cagaagttaa 120
aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa 180
gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttgganccag gaccctgaca 240
gcaaggttgc ctgtgaaacc tgcaccaaga ccaacatggt gatggttt 288

<210> 2211
<211> 311
<212> DNA
<213> Glycine max
<400> 2211

gtcgcacgca cgcgtacgta agctcggaa ttcggctcga ggccaggcaa gcccactca 60
accaccacac ctctcctcgt tcacgctacc ctttctgctc ttcttctacc tttcaagttt 120
taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac 240
ccagacagca aagttgcttg cgaaacatgc accaaaacca acttggtcat ggtcttcgga 300
gaaatcacga c 311

<210> 2212
<211> 328
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2212

angtctcang cagcgtacg taagctcggaa attcagctcg agcngctcga gcacacctct 60

cctcggttcac gctacccctt tctgctctnc ttctaccttt caagttttna angntntaaag 120
gtggcagaga cattcctatt tacctcagag tcgntgaacg agggacaccc tgnnaagctc 180
tgcgacaaa tctccgatgc tgtcctcgac gcttgccctcg agcaggaccc agacagnaana 240
gttgcntgcg aaacatncac caaaaccaat tggatcatggt cttcggagaa atcacgacca 300
aggccaacgt tgatacgaga agatatgc 328

<210> 2213
<211> 309
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2213

acgtcgcang cacgcgtacg taagctcggg attcggctcg agcaagcccc actcaaccac 60
cacacctctc ctcggttcacg ctaccccttt ctgctcttct tctacctttc aagttttaaa 120
agtataaaga tggcagagac attcctatct acctcagagt cgggtgaacga gggacaccct 180
gacaagctct gcgaccaaatt ctccgatgct gtctcgcacg cttgcctcga gcaggaccca 240
gacagcaaag ttgcctgcga aacatgcacc aaaaccaatt ggtcatgggtc ttcggagaaa 300
tcacgacca 309

<210> 2214
<211> 299
<212> DNA
<213> Glycine max
<400> 2214

cgtcgcacgc acgcgtacgt aagctcggaa ttcggctcga gcaaattgtg aaggagaatt 60
tcgacttcag acctggaatg atcaccatta acttggacct taagaggggt ggtcataggt 120
tcctcaagac agctgcttat ggacactttg gaagggatga tgcagacttc acctgggaag 180
ttgtgaagcc actcaagtca gagaagcctc aagcttaaga gtgttggtta gttaataact 240
cccttcagtg gatgtcttgc tgggtgtgga tgaataattt gcgtgtttca tgactacta 299

<210> 2215
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2215

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ngtcgcangc acgcgtacgt aagctcggaa ttcggctcga ggccaggcaa gccccactca   60
accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt  120
ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac  180
accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg  240
accagacag  caaagttgcc tgcgaaacat gcacaaaac caacttggtc atggtct   297

```

<210> 2216
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2216

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gtcgcangca cgcgtacgtn agctcggaat tcggctcggg ggccaggcaa gccccactca   60
accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt  120
ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac  180
accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg  240
accagacag  caaagttgcc tgcgaaacat gcaccannac caacttggtc atggtctt   298

```

<210> 2217
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2217

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tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc ttaacaacag cacaagcg   60
gttactgtct gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagaag  120
ttaaaatggc ccaagaaact ttcctattca catctgaatc agtgaacgag gggcaccctg  180
acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgag caggaccctg  240
acagcaaggt tgcctgtgaa acctgcacca agaccaacat ggtg   284

```

<210> 2218

<211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2218

ttgcatgcan gcgtacgtaa nctcgggaat tcggctcgag nggagttagg ttctgcacgc 60
 tctncttcca gcgagtgttc tttcntcggt tcaacacctt aatttgcang acgctgcttn 120
 tnaaganttgc agaaatggca caagaaacct ttctattcac atctgaatct ntaaaccgagg 180
 gtcaccccgga naagctgtgc gancagatct ctatgcaggt gctcgatgcg tgccttgaac 240
 aggacnctga cagcaagggt gcctgtgaga catgcaccaa gaccaacatg gcatggtc 298

<210> 2219
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2219

gtngnnggcn nngnacggta cgtgagctcg gaattcggct cgagcaggca agccccactc 60
 aaccaccaca cctctcctcg ttcacgtac ccctttctgc tcttcttcta cctttcaagt 120
 tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga 180
 caccctgaca agctctgcga ccaaattctc gatgctgtcc tcgacgcttg cctcgagcag 240
 gaccagaca gcaaagttgc ctgcgaaaca tgcagcaaaa ccaacttggt catggtcttc 300
 ggn 303

<210> 2220
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2220

ttacatgcac acgtacgtaa gctcgggaatt cngctcgaga ggcaagcncc actcaaccac 60
 cacacctctc ctggttcacg ctaccccttt ctgctcttct tctacctttc nagttttaaa 120
 agtataaaga tggcagagac attcctatctt acctcagagt cggtgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg cttgcctcga gcaggaccca 240

gatagcaaag ttgcctgcna aacatgcacc aaaaccaact tggatcatggt cttcggagaa 300
 a 301

<210> 2221
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2221

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga ggggccaggc aagccccact 60
 caaccaccac acctctctctc gttcacgcta cccctttctg ctcttcttct acctttcaag 120
 ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg 180
 acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca 240
 ggacccagac agcaaagttg cctgcgaaac atgcaccaga accaacttgg tcatggtctt 300
 cgga 304

<210> 2222
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2222

tancgcatgc acgcngntaa nntnnnaatc ggnattcggc tcgagtttga ggccaggcaa 60
 gccccactca accaccacac ctctcctcgt tcacgctacc cttttctgct cttcttctac 120
 ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg 180
 aacgagggac accctgacaa gctctgcgat caaatctccg atgctgtcct cgacgcttgc 240
 ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccaaaac caacttggtc 300
 atggtcttgc g 311

<210> 2223
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2223

annctaattgc acgcgtacgt aagctcggaa ttcggctcga gaacaacagc acaaagcggg 60
ttactgtctg ttcaagctac catctctctc tctctttctt agtgcctcct tgccagaagt 120
taaaatggcc caagaaactt tcctattcac atctgaatca gtgaacgagg ggcaccctga 180
caagctctgt gaccagatct ccgatgctgt gctcgatgca tgcttgagc aggaccctga 240
cagcaagggtt gcctgtgaaa cctgcaccaa gaccaacatg gtga 284

<210> 2224

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2224

nncnaannnn cgcattgcacg cgtacgtaag ctcggaattc ggctcgaggc agacttaaca 60
acagcacaaa gcgggttact gtctgttcaa gctaccatct ctctctctct ttcttagtgc 120
ctccttgcca gaagttaaaa tggcccaaga aactttccta ttcacatctg aatcagtga 180
cgagggggcac cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt 240
ggagcaggac cctgacagca aggttgcttg tgaaacctgc accaagacca acatggtga 299

<210> 2225

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2225

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gatttgaggc caggcaagcc 60
ccactcaacc accacacntc tncncgttca cgctaccctt ttctgnctct tcttgctncc 120
tttcaagttt taaaagtata aagatggcag agacattcct atttacctca gagtcggtga 180
acgagggaca ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc 240
tcgagcagga ccagacagc aaagttgcct gcganacatg caccaaaacc aacttgggtca 300
tggctctngga gaaatcacga ccaa 324

<210> 2226

<211> 304
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2226

 ntgcgancga cgcgtacgta agctcggaat tcggctcgag ggccaggcaa gcccactca 60
 acnaccacac ctctcctcgt tcacgctacc cttttctgct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct cgncgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaacat gcaccanaac caacttggtc atggtcttcg 300
 gaga 304

<210> 2227
 <211> 300
 <212> DNA
 <213> Glycine max

 <400> 2227

 gtcgcatgca cgcgtacgta agctcggaat tcggctcgag caggcaagcc cactcaacc 60
 accacacctc tctcgttca cgctaccctt ttctgtctt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcctc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca gcaaaaccaa cttggtcatg gtcttcggag 300

<210> 2228
 <211> 302
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2228

 ngtcgcangc acgcgtacgt aagctcgga ttcggctcga gggccaggca agcccactc 60
 aaccaccaca cctctcctcg ttcacgtac ccctttctgc tctttctcta cctttcaagt 120
 tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggg 180
 caccctgaca agctctcgca ccaaatctcc gatgtgtcc tcgacgcttg cctcgagcag 240

gacccagaca gcnaagttgc ctgcgaaaca tgcacaaaa ccaacttggt catggtcttc 300
 gg 302

<210> 2229
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2229

gtcgcangca cgcgtacgta agctcggaat tcggctcgag caggcaagcc ccaactcaacc 60
 accacacctc tctctgttca cgctaccctt ttctgtcttt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca ncaaaaccaa cttggtcatg gtcttcgg 298

<210> 2230
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2230

ttanagtgcg angcacgcgt acgtaagctc ggaattcnnc tcgagncaag cccactcaa 60
 ccaccacacc tctcctcggt cacgtacccc ctttctgtct ttcttctacc tttcaagttt 120
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
 cccagacagc aaagttgcct gcgaaacatg caccaaaacc aacttggtca tgggtcttc 298

<210> 2231
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2231

tgatttgagg ccaggcaagc cngctcaac caccacacnt ctctcgttc acgtacccc 60
 tttctnctct tcttctacct ttctangtttt aaaagtataa agatggcaga gacattccta 120

tttacctcag agtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat 180
gctgtcctcg acgcttgcct cgagcaggac ccagacagca aagttgcctg cgaaacatgc 240
accaaaacca acttgggtcat ggtcttcgg 269

<210> 2232
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2232

ncaattaana gtcgcangca cgcgtacgta agctcggaat tcggctcgag gttaggttct 60
gcacgctctg cttccagcga gtgttctttc ttcgtttcaa caccttaatt tgcacacgct 120
gcttcttcag cttgagaaat ggcacaagaa acctttctat tcacatctga atctgtaaac 180
gagggtcacc ccgacaagct gtgcgaccag atctctgatg cagtgcctga tgcgtgcctt 240
gaacaggacc ctgacagcaa ggttgcctgt gagacatgca ccaagaccaa 290

<210> 2233
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2233

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ggccaggcaa gcccactca 60
accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt 120
ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
accagacag caaagttgcc tgcgaaacat gcaccanaac caacttggtc atggtcttcg 300
gagaaa 306

<210> 2234
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 2234

tnangnacgc gtacgtaagc tcggaattcg gctcgagcng ctcgaggcaa gccccactca 60
accaccacac acgctcctcg tncacgctac ccctttcttg ctcttcttct accnttcaag 120
ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg 180
acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca 240
ggaccagaca gcaaagttgc ctgcgaaaca tgcacaaaa ccaacttggc catggctctc 300
ggagaaatca c 311

<210> 2235

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2235

natcgcatgc acgcgtacgt nagctcgga ttcggctcga gcaacagcac aaagcgggtt 60
actgtctgtt caagctacca tctctctctc tctttcttag tgcctccttg ccagaagtta 120
aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg caccctganc 180
aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca ggaccctgac 240
agcaaggttg cctgtgaaac ctgcaccaag accaacaatgg tgatggttt 289

<210> 2236

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2236

agcagactta acaacagcac aaagcgggtt actgtctgtt caagctacca nnnnnnnnnn 60
nnnnnnntag tgcctccttg ccagaagtta aaatggccca agaaactttc ctattcacat 120
ctgaatcagt gaacgagggg caccctncac aagctctgtg accagatctc cgatgctgtg 180
ctcgatgcat gcttggagca ggaccctgac agcaaggttg cctgtgaaac ctgcaccaag 240
accaacaatgg tgatggttt 260

<210> 2237

<211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2237

ntcanntacg cgtangtanc actgcgtacn tnagctcgga attcggctcg agcagcacaa 60
 agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgtacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
 accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatgggtg atgggtttt 298

<210> 2238
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2238

tcgcngaacg ngtagcgaag ctcggaattc ggctcgangn catttgggag ttaggtttna 60
 acgctcngcg tnnagnagat gatntttctt cgtntcanca cntnaaattg cancacgctg 120
 cttcttcngc ttgagaaatg gcacaagaaa cctttctatt cacatctgaa tctgtaaacg 180
 anggtcaccc cgacaagctg tgtgaccaga tctctgatgc antgctcgat gcgngccttg 240
 aacaggaccc tgacagcaag ttgcctgtga gacatgcacc atgaccaaca tggtcaggtc 300
 n 301

<210> 2239
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2239

acgtcgcang cacgcgtacg taagctcgga attcngctcg aggcaagccc cactcaacca 60
 ccacacctct cctcggttac gctacccctt tctgctactt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgctc gagcaggacc 240

cagacagcaa agttgcctgc gaacatgcac caaaaccaac ttggatcatgg tcttcggaga 300
aatcacgac 309

<210> 2240
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2240

ngtcgcangc acgcgtacgt aagctcggaa ttcggctcga gttaacaaca gcacaaagcg 60
ggttactgtc tgttcangct accatctctc tctctctttc ttagtgctc cttgccagaa 120
gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggaccctg 180
acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgag caggncctg 240
acagcaaggt tgctgtgaa acctgcacca agaccaacat ggtgatggtt ttc 293

<210> 2241
<211> 279
<212> DNA
<213> Glycine max

<400> 2241

acgcgtacgt aagctcggaa ttcggctcga gctcgagccg cagcaciaag cgggttactg 60
tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag aagttaaaat 120
ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagct 180
ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc ctgacagcaa 240
ggttgctgtg gaacctgcac caagaccaac atggtgatg 279

<210> 2242
<211> 181
<212> DNA
<213> Glycine max

<400> 2242

tagtgctcc ttgccagaag ttaaaatggc ccaagaaact ttctattca catctgaatc 60
agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120

atgcttggag caggaccctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180
g 181

<210> 2243
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2243

acgtcgcang cagcgtacg taagctcgga attcggctcg aggcagactt aacaacagca 60
caaagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt 120
gccagaagtt aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg 180
gcaccctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttggagca 240
ggaccctgac agcaaggttg cctgtgaaac ctgcaccaag accaacaatg 289

<210> 2244
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2244

nncgcangca cgcgtacgta agctcggaat tcggctcgag gcagacttaa caacagcaca 60
aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatg 287

<210> 2245
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2245

aagtcgcatg cagcgtacg naagctcggc attnggcncg cggncaggc aagcaccact 60
caaccancac acatctnctc gttcaagcta cccctttgtn cncncttct aantttcaag 120

ttttaaaagt atacagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg 180
 acaccntgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcntcgagca 240
 ggacccagac agcaangttg cctgcgaaac atgcaccnga accaacttgg tcatggtctt 300
 cggagaaatc 310

<210> 2246
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2246

ngtcgcangc acgcgtacgt nagctcggaa ttcggctcga gccancacac ctctcctcgt 60
 tcacgctacc cttttctgct cttcttctac ctttcaagtt tnaaangtnt aaagatggca 120
 gagacatncc tatttacctc agagtcggtg aacgagggac acccngacaa gctctgcgac 180
 caaanctccg atgcngtctt cgacgcttgc ctcgagcagg acccagacag caaagntgcc 240
 tgcgaaacan gcacaaaaac caacttggtc atggtcttcg gaga 284

<210> 2247
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2247

ntntcgcang cacgcgtacg taagctcgga attcggctcg aggccaggca agccccactc 60
 aaccaccaca ctggctcctc gttnacgcta cccctttctn cctcttcttc tacctttcaa 120
 gttttaaaag tataaagatg gcagagacat tcctatttac ctcagagtcg gtgaacgagg 180
 gacaccctga caagctctgc gaccaaattc ccgatgctgt cctcgacgct tgccctcgagc 240
 aggacccaga cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg gtcatggtc 299

<210> 2248
 <211> 182
 <212> DNA
 <213> Glycine max
 <400> 2248

tagtgccctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc	60
agtgaacgag gggcacccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc	120
atgcttggag caggaccctg acagcaaggt tgcctgtgaa acctgcacca agaccaacat	180
gg	182

<210>	2249
<211>	313
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2249

tgcgngcacg cgtacgttag ctcggnntntt cggctcgagg cagacttaac aacagcncan	60
anccnggtta ctinntgtnc aagctancca tctctctctc tctttcttag tgccctccttg	120
ccagaagtta aaatggccca agaaactttc ctannacat ctgaatcagt gaancgaggg	180
gcacctgaca agctctgtga ccagatctcc gatgctgtgc tcgatgcncg nttggagcag	240
gaccctgaca gcaaggttgc ctgtgaaacc ngcaccaaga ccaacatggg gatgggttttc	300
ggaganntca caa	313

<210>	2250
<211>	289
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2250

gcacgcgtac gtaagctcgg aattcggctc gagcaggcaa gcccactca accaccacac	60
ctctcctcgt tcacgctacc cttttctgct cttcttctac ctttcaagtt ttaaaagtat	120
aaagatggca gagacattcc tatttacctc agagtcggtg aacgaggag accctgacaa	180
gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag	240
caaagttgcc tgcgaaacat gcancaaac caacttggtc atggtcttc	289

<210>	2251
<211>	264
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2251

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atttgaggcc aggcaagccc cactcaacca ccacacctct cctcgttcac gctaccctt   60
tctgctcttc ttctaccttt caagttttta aagtataaag atggcagaga cattcctatt  120
tacctcagag tcggtgaacg agggacaccc tgacaagctc tgcgaccaa tctccgatgc  180
tgtcctcgac gcttgccctcg agcaggaccc agacagcaaa gttgcctgcg aaacatgcac  240
caaaaccanc ttggtcatgg tctt                                     264

```

<210> 2252
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2252

```

gtcgcgatgca cgcgtacgta agctcggaat tcggctcgag gcaagcccca ctcaaccacc   60
acacctctcc tcgttcacgc tacccttttc tgctcttctt ctacctttca agtttttaaa  120
gtataaagat ggcagagaca ttctatttta cctcagagtc ggtgaacgag ggacaccctg  180
aaagctctgc gaccaaactc ccgatgctgt cctcgacgct tgccctcgagc aggaccaga  240
cagcaaagtt gcctgcgaaa catgcacnaa aaccaattgg tcatgggtctt cggagaaatc  300
acgaccaagg ccaag                                     315

```

<210> 2253
<211> 191
<212> DNA
<213> Glycine max

<400> 2253

```

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttctatttca catctgaatc   60
agtgaacgag gggcaccctg acaagcttgt gaccagatct ccgatgctgt gctcgatgca  120
tgcttgagagc aggaccctga cagcaagggt gcctgtgaaa cctgcaccaa gaccaacatg  180
gtgatggttt t                                     191

```

<210> 2254
<211> 304

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2254

gttgccangca cgcgtacgta agctcggaat tcggctcgag agcagactta acaacagcac 60
 aaagcggggtt actgtctgtt caagctnnca nctctctctc tctttcttag tgcctccttg 120
 ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gaacganggg 180
 caccctgtgc aagctctgtg accagatctc cgatgctgtg ctcgatgcat gattggagca 240
 ggaccctgac agcaagggtg nctgtgaaac ctgcaccaag ancaacatgg tgatgggtttt 300
 cgga 304

<210> 2255
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2255

tcgcatgcnc gcgtacgtna gctcgggnatt cggtcgagc anaangcngg ttactgtctg 60
 ttcaagctac catctctctc tctctttctt antgcctcct tgccagangt taaaatggcn 120
 caagaanctt tcctattcac atctgaatnn gtgaacgagg ggcaccctga acaanctctg 180
 tgancagatc tccgatgctg tgctcgntgc atncttgag caggaccctg acagnaggt 240
 tncctgtgna acntgcacca agnccancat ggngatgggtt ttcggagann tcacaaccan 300
 ggccaacgtg gactatg 317

<210> 2256
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2256

cngcacgcgt acgtaagctc ggaattcggc tcgagggaga ttggtgctgg tgaccaaggt 60
 catatgttcg gctatgnnct gacgangntc ccgagctcat gcccntgagc catgtccttg 120
 ccacgaagct cgggtgtcaag ctcanagagg ttcggaanaa cgggacatgc ccttggtgta 180

ganctgntgg caagaccnag gtcantgttg nnnactacaa tggcaagggn gccat 235

<210> 2257
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 2257

cgatgcacgc gtacgtaagc tcggaattcg gtcgagttt ggggagttag gttctgcacg 60
 ctctgcttcc agcgagtgtt ctttcttcgt ttcaacaacc ttaatttgca cacgctgctt 120
 cttcagcttg agaaatggca caagaaacct ttctattcac atctgaatct gtaaaccgagg 180
 gtcaccccga caagctgtgc gaccagatct ctgatgcagt gtcgatgcg tgccttgaac 240
 aggaccctga cagcaagttg cctgtgagac atgcaccaag accaactggg cagggtctttg 300
 gagagatcac aaccagggc 319

<210> 2258
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 2258

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag caggcaagcc ccactcaacc 60
 accacacctc tctcgttca cgctaccctt ttctgctctt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgctc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca acaaaaccaa ttgggtcatgg tcttcggaga 300
 aatcac 306

<210> 2259
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2259

acgtcgcang cacgcgtacg taagctcgga attcggctcg agcttaacaa cagcaciaag 60
 cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120

aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
 ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc 240
 ctgacagcaa ggttgcctgt gaaacctgca accaagacca acatgggtgat ggnttncgga 300

<210> 2260
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2260

gtcgcgatgca cgcgtacgta agctcggaat tnggctcgag ctcgagccgc aggaaagccc 60
 cactcaacca ccacacctct cctcggttcac gctacccctt aactgcttct tcttctacct 120
 ttcaagtttt aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa 180
 cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgcoct 240
 cgagcaggac ccagacagca aagttgcctg cgaaacatgc accaaaacca cttgggtcatg 300
 gtcttcggag aaatcagacc aaggccaagt 330

<210> 2261
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2261

tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ntctattca catctggatc 60
 agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcnntgc 120
 atgcttggag caggancctg acagcaaggt tgctgtgaa acctgcacca agaccaacat 180

<210> 2262
 <211> 286
 <212> DNA
 <213> Glycine max
 <400> 2262

gtcgcgatgca cgcgtacgta agctcggaat tcggctcgag caagccccac tcaaccacca 60
 cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120

tataaagatg gcagagacat tcctattttac ctcagagtcg gtgaacgagg gacaccctga 180
 caagctctgc gaccaaattct ccgatgctgt cctcgacgct tgcctcgagc aggaccaga 240
 cagcaaagtt gctgcgaaa catgcaccaa aaccaacttg gtcatg 286

<210> 2263
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2263

gtcgcangca cgcgtacgta agctcggaat tcggctcgag tttgaggcca ggcaagcccc 60
 actcaaccac cacacctctc ctcgttcacg ctaccccttt ctgctcttct tctacctttc 120
 aagttttaaa agtataaaga tggcagagac attcctatctt acctcagagt cgggtgaacga 180
 gggacaccct gacaagctct gcgaccaaatt ctccgatgct gtcctcgacg cttgcctcga 240
 gcaggaccca gacagcaaag ttgcctgcga aacatgcacc aaaaccnact tggatcatggt 300

<210> 2264
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2264

cgcangcacg cgtacgtaag ctcggaattc ggctcgagcg acttaacaac agcacaaagc 60
 gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct cnttgccaga 120
 agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
 tgacaagctc tgtgaccaga tctccgatgc tgtgctcgnt gcatgcttgg agcaggaccc 240
 tgacagcaag gttgcctgtg aaacctgcac caagaccaac atgtgatggt ttcggagagn 300
 tcacaaccan gcaacgtgga ctatgagagg tt 332

<210> 2265
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2265

tcacnggtac gtnagctcgg aattcggctc nagcttaaca acagcacaaa gcgggttact 60
gtctgttcaa gctacatct ctctctctct ttcttagtgc ctccttgcca gaagttaaaa 120
tggcccaaga aactttccta ttcacatctg aatcagtga cgagggggcac cctgacaagc 180
tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca 240
aggttgcttg tgaaacctgc accaagacca acat 274

<210> 2266

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2266

gcnnannagg nnagtcgcan gcacgcgtac gtaagctcgg aattcggctc gaggcagact 60
taacaacagc acaaagcggg ttactgtctg ttcaagctac catctctctc tctctttctt 120
agtgcctcct tgccagaagt taaaatggcc caagaaactt tcctattcac atctgaatca 180
gtgaacgagg ggcaccctga caagctctgt gaccagatct ccgatgctgt gctcgatgca 240
tgcttgagc aggaccctga cagcaagggt gcctgtgaaa cctgcaccaa gaccaacatn 300

<210> 2267

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2267

ngtcgcangc acgcgtacgt aagctcggaa ttcnctcga ggccccactc aaccaccaca 60
cntctcctcg ttcacgctac ccttttctgc tcttcttcta cttttcaagt tttaaaagta 120
taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga caccctgaca 180
agctctgcga ccaaattctc gatgctgtcc tcgacgcttg cctcgagcag gaccagaca 240
gnnaagttgc ctgcgaaaca tgcacaaaaa ccaacttggt catggtct 288

<210> 2268

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2268

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gttgccangca cgcgtacgta agctcgggaat tcggctcgag atttgagatt tggagcgact   60
naactaatca ttaatttgca ctgctgtttt cagcttcatt accctttctt ttgcatcatt  120
tatatctctt gagaaatggc acaagaaacc tntctattca catctgaatc tgtaaacgag  180
ggtcaccccg acangctgtg cgancagatc tctgatgcag tacttgatgc gtgccttgaa  240
caggaccctg acagcaaggt tgccngtgag acatgnacca agaccaacat g           291
```

<210> 2269

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2269

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cacgcgtacg taagctcgga attcggctcg agncaaagga gtgatttgga gtttgagcg   60
actgaactaa tcattaattt gcaactcgctg tttcagcttc atcacccttc ttttgcattc  120
tttatatctc ttgagaaatg gcacaagaaa cttttctatt cacatctgaa tctgtaaacg  180
agggtcaccg cgacangctg tncnaccaga tctctgatgc agtacttgat gcgtgccttg  240
aacnggaccc tggacagcaa ggttgccctg gagacatgca ccaagaccaa catggtct   298
```

<210> 2270

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2270

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gtcgcangca cgcgtacgta agctcgggaat tcggctcgag gcagacttaa caacagcaca   60
aagcgggtta ctgtctgttc aagctaccat ctntctcttc tctttcttag tgcttccttg  120
ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg  180
caccctgaac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttgagca  240
ggaccctgac agcaaggttg cctgtgaaac ctgcaccaag accaacaatgg tgatgg   296
```

<210> 2271
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2271

 gtcncatgca cgcgtacgta agctcggaat tcggctcgag gacttaacaa cagcacaaaag 60
 cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
 aagttaaaat ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc 180
 ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctt gagcaggacc 240
 nncgacagca aggttgccctg tgaaacctgc accaagacca acatgggtg 288

<210> 2272
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2272

 nagtcgcatg cacgcgtacg taagctcgga attcngctcg aggcaagccc cactcaacca 60
 ccacacctct cctcgttcac gctaccctct tctgtctctt ttctaccttt caagttttaa 120
 aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc 180
 tgacaagctc tgcgacaaa tctccgatgc tgtcctcgac gcttgccctg agcaggaccc 240
 agacagcaaa gttgcctgcg aaacatggca ccaaaaccaa cttgggtcatg gtcttcgga 299

<210> 2273
 <211> 300
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2273

 gcngcacgcg tacgtaagct cggaattcgg ctcgaggcca ggcaagcccc actcaaccac 60
 cacacctctc ctcgttcaag ctaccctctt ctgtctctct tctacctttc aagtttttaa 120
 agtataaaga tggcagagac attcctatct acctcagagt cgggtgaacga gggacaccct 180
 gacaagctct gcgaccaaatt ctccgatgct gtctcgcagc cttgcctcga gcaggaccca 240

gacagcaaag ttgcctgcga aacatgcacc anaaaccaac ttggatcatgg tcttcggaga 300

<210> 2274

<211> 297

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2274

acgtcgcang cacgcgtacg taagctcgga attcggctcg agggagtttg gagcgactga 60

actaatcatt aatttgcaact cgctgtttca gtttcacac ctttcttttg catcatttat 120

atctcttgag aaatggcaca agaaaccttt ctattcacat ctgaatcgta aacnagggtc 180

accccgacaa gctgtncnat cagatctctg atgcagtact tgatgcntgc cttgancagg 240

nccctgacag caaggttgcc tgtgagacnt gcaccaagac caacatgggc atggtct 297

<210> 2275

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2275

gcangcacgc gtacgtnagc tcggaattcn gctcgaggcc ccaactcaacc accacacctc 60

tcctcggtca cgctaccctt ttctgctctt cttctacctt tcaagtttta aaagtataaa 120

gatggcagag acattcctat ttacctcaga gtcgggtgaac gagggacacc ctgacaagct 180

ctgcgacnna atctccgatg ctgtcctcga cgcttgcttc gagcaggacc cagacagcaa 240

agttgcctgc gaaacatgca ccaaaaccaa ttggatcatgg tcttcggaga aatcac 296

<210> 2276

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2276

acgtcgcang cacgcgtacg tnagcnnccg aattcngctc gagcaggcaa gccccactca 60

accaccacac ctctcctcgt tcacgctacc ctttctgct cttcttctac ctttcaagtt 120

ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgaggac 180

accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaacat gcacccaaaac caattgggtca tgggtcttcgg 300
 agaaat 306

<210> 2277
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2277

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagg gccaggcaag cccactcaa 60
 ccaccacacn nctcctcggt cagctaccc ctttctgctc ttcttctacc tttcaagttt 120
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
 cccagacagc aaagttgcct gcgaaacatg caccaaaacc aacttgg 287

<210> 2278
 <211> 206
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2278

gccacttacc anaaaacctg aagaaattgg tgctgntgac caggggtcaca tgtttggcta 60
 tgccactgat gaaaccctg aattgatgcc attgagccat gttcttgcaa caaaactcgg 120
 tgctcgtctc accgaggttc gcnagaacgg tactggcctt ggctgangct gatggaagac 180
 ccaagtgacc gttgagtata caatga 206

<210> 2279
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2279

tgcacgcacg cgtacgtnag ctcggaattc ggctcgagac agcacaggag cgggttacng 60

tctgttcaag ctaccatctc tctctctctt tcntagtgcc tccttgccag aagttaaaat 120
ggcccaagaa actttcctat tcacatctga atcagtgaac gaggggcacc ctgacaagcn 180
ctgcgaccag atctccgatg ctgtgctcga tgcagtcttg gagcaggacc ctgacagcaa 240
ggttgccctgt gaaacctgca ccaag 265

<210> 2280
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2280

nanngcncgn gtacgtaagc tcgganttcg gctcgagggc caggcaagcc ccaactcaacc 60
accacacctc tctcgttca cgctaccct tngtgctctt cttctacctt tcaagtttta 120
aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
ctgacaagct ctgcgaccaa ntctccgatg ctgtcctcga cgcttgccctc gagcaggacc 240
cagacagcaa agttgcctgc gaaacatgca ccataaccaa cttggtcatg g 291

<210> 2281
<211> 330
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2281

gcacgcgtac gtaagctcgg aattcggctc gagatttgag gccaggcaag ccccaactcaa 60
ccaccacacc tctcctcgtt cacgctaacc ctttctgctc ttcttctacc tttcaagttt 120
tanaagtata aagatggcag agacattcct atttaoctca gagtcggtga acgagggaca 180
ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
cccagacagc aaagttgcct gcgaaacatg gcacaaaaac caattggtca tggctcttcgg 300
agaaatcaga ccaggccaag ttgattacga 330

<210> 2282
<211> 283
<212> DNA
<213> Glycine max

tcgcangcac	gcgtacgtaa	gctcgggaatt	cngctcgagg	caagccccac	tcaaccacca	60
cacctctcct	cgttcacgct	acccctttct	gtctttcttc	tacctttcaa	gttttaaaag	120
tataaagatg	gcagagacat	tcctattttac	ctcagagtcg	gtgaacgagg	gacaccctga	180
caagctctgc	gaccaaattct	ccgatgctgt	cctcgacgct	tgctctgagc	aggacccaga	240
cagcaaagtt	gcctgcgaaa	catgcaccaa	aaccaacttg	gtc		283

```
<223>      unsure at all n locations
<400>      2283
```

ncgtcgcatg	cncgcgtacg	taagctcgga	attcggtctg	ngngccagg	aagccccact	60
caaccaccac	acctctcctc	gttcacgcta	cccccttctg	ctcttcttct	acctttcang	120
ttttaaaagt	ataaaagatgg	cagagacatt	cctattttacc	tcagagtcgg	tnacgaggg	180
ncaccctgac	aagctctgcg	accaaatactc	cgatgctgtc	ctcgacgctt	gcctcngcn	240
ggaccagac	agcaaagttg	cctgcgaaac	atgcaccaat	acnaacttgg	tcatggtctt	300
cg						302

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<223>      unsure at all n locations
<400>      2284
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nangcacgcg	tacgtaagct	cggaattcgg	ctcgagcaga	gttgagacca	agacacactc	60
gttcatatat	ctctctgctc	ttctcttctc	ttctacctct	caagtttttg	aagtataaag	120
atggcagaga	cattcctatt	cacctcggag	tcagtgaacg	agggacaccc	tgataagctc	180
tgcgaccaaaa	tctccgatgc	tgtcctcgac	gcttgccctg	aacaggaccn	nacaancaag	240
gttgccctgng	aaacatgcac	caagaccaac	ttggctcatgg	tctn		284

<210> 2285
 <211> 208
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2285

 cangcacgcg tacgtaagct cggaattcgg ctcgagcatt ggtgtccctg agcccttgtc 60
 agtgttttgtg gacacttatg gaactgggaa gattcctgac aaggagattc tgcaaattgt 120
 gaaggagaat ttcgacttca gacctggaat gatcaccatt aacttggacc ttaanagggg 180
 tggcatagg ttcctcaaga canntgct 208

<210> 2286
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2286

 gcagacttna caacagcaca naggcgggta ctgtctgttc aangctacga tctctgtctc 60
 tggtatctta gtgcctacct tgccagaagn nannatggcc caatnaantt tccnattcac 120
 atctgantca ntgaacnatg ggcaccctga naanctctgt gnccagatct ccgatgctgt 180
 gctcgatgca tgcttggagc aggaccctga nagnagggt gcntgtnaaa cctgnaccaa 240
 gaccaacatg gtgatggtnt tcggagagat 270

<210> 2287
 <211> 302
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2287

 nntcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggntttgagg ccaggcaagc 60
 cccactcaac caccacacnt ctctcgttc acgtacccc tttctggctc ttcttctacc 120
 tttcaagttt taaaagtata aagatggcag agacattcct atttacctca gagtcggtga 180
 acgagggaca ccctgacaag ctctgcgacc aaatctccga tgctgtctc gacgcttgcc 240
 tcgagcagga ccagacagc aaagttgcct gcgaaacatg caccanaacc aacntggtca 300

tg 302

<210> 2288
 <211> 195
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2288

cgtaagctcg gaattcggct cgagncaatg atcaaattgc tgcggacctt aaagagcatg 60
 ttatcaagcc tgtcattctt gagaagtacc ttgatgagaa ncaccatctt ccaccttaac 120
 ccttctggcc gttttgtcat tgggtggcct catggtgatg ctggtctcac tggaagaaaa 180
 tcatcattga tacct 195

<210> 2289
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2289

ngcntgtacg cgtacgtaag ctcggaattc ggctcgaggt caggcaagcc ccaactcaacc 60
 accacacctc tgcctgngtt cangetaccc ctttntgctc ttcttctacc tttgaagttt 120
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acganggaca 180
 ccctgacaag ctctgcganc caaatctccg atgctgtcct cgacgnttgn ctcgagnagg 240
 acccagacag naaagttgcc tgcgatanat gcaccannac caacttggtc atggtcttcg 300
 gagaaatcac gacc 314

<210> 2290
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2290

tcgcngcacg cgtacgtaag ctcggaattc ggctcgagat ttgaggccag gcaagcccca 60
 ctcaaccacc acacctctcc tcgttcacgc taccctttc tgctcttctt ctacctttca 120
 agtttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag 180

ggacaccctg acaagctctg cgaccaaata tccgatgctg tcctcgacgc ttgcctcgag 240
caggacccag acagcaaagt tgccctgcgaa acatggcacc aaaaccaact tggtcatggt 300
ctt 303

<210> 2291
<211> 285
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2291

gtcgcgatgca cgcgtacgta agctcggaat tcggctcgag cttaacaaca gcacaaagcg 60
ggttactgtc tgttcaagct accatctctc tctctcttct ttagtgctc cttgccagaa 120
gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180
gacaagctct gtgaccagat ctccgatgct gtgctcgatg catgcttgga gcaggaccct 240
gacagcaagg ttgcctgttn aaacctgcac caagaccaac atggt 285

<210> 2292
<211> 289
<212> DNA
<213> Glycine max
<400> 2292

agtcgcgatgc acgcgtacgt aagctcgga ttcggctcga ggcagactta acaacagcac 60
aaagcgggtt actgtctgtt caagctacca tctctctctc tctttcttag tgccctcttg 120
ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg 180
caccctgaca agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag 240
gaccctgaca gcaagggttg ctgtgaaacc tggcaccaag accaacatg 289

<210> 2293
<211> 343
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2293

acngcgtacg tnanctcggg attcggctcg agggccaggc aagccccact caaccaccac 60

acctctctctc gttcacgcta cccctttctg ctcttcttct acctttcaag ttttaaaagt 120
 atacagatgg cagagacatt cctattttacc tcagagtcgg tgaacgaggg acaccctgac 180
 aagctctgcg accaaatctc cgatgctgtc ctcgacgctt gcctcgagca ggacncagac 240
 agcaaagttg cctgcgaaac atgcaccaaa accaattggt catggtcttc ggagaaatca 300
 cgacagccan gttgatagag agatatgcgt gacnctgcag aca 343

<210> 2294
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2294

antcgnntgc acgcgtacgt aagctcggaa ttcgggtcga ggggcaagcc ccaactcaacc 60
 accacacntc tctctgttca cgctaccctt ttctgtcttt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acatttcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacancct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca ccanaaccaa cttgggtcat 289

<210> 2295
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2295

gtcgcangca cgcgtacgta nagctcggaa ttcgggtcga gntgaggcca ggcaagcccc 60
 actcaaccac cacacctctc ctcggttcacg ctaacccttt ttctgtcttc ttctaccttt 120
 caagttttta aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg 180
 agggacaccc tgacaagctc tgcgaccaaa tctccgatgc tgtcctcgac gcttgccctcg 240
 agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaaacncac ttggtc 296

<210> 2296
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2296

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agtagcangc acgcgtacgt aagctcggaa ttcggctcga gggcaagccc cactcaacca    60
ccacacntct cctcgttcac gctacccctt tcttntcttt cttctacctt tncaagtttt   120
aaaagtataa agatggcaga gacattccta tttacctcag agtcggtgaa cgagggacac   180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct cgagcaggac   240
ccagacagca aagttgcctg cgaaacatgc accaaaacca acttgg                      286
```

<210> 2297
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2297

```
gtcgcacatgca cgcgtacgtn agctcggaa ttcggctcga gggcaggcaa gcccactca    60
accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt   120
ttaaaagtat aaagatggca gngacattcc tatttacctc agagtcggtg aagagggaca   180
ccctgacaag ctctgcgacc aaatctccga tgctgtctc gacgcttgcc tcgagcagga   240
cccagacagc aaagttgcct gcgaaacatg caccagaacc aacttggtca tgggtcttcgg   300
agaaatcacg accaaggc                      318
```

<210> 2298
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2298

```
ngnngcacgc gtacgtnagc tcggaattcg gctcgagttt gaggccaggc aagccccact    60
caaccaccac acgggctcct cgttnacgct acccctttct ncctcttctt ctacctttca   120
agtttttaaaa gtataaaaaat ggcagagaca ttctatttta cctcagagtc ggtgaacgag   180
ggacaccctg acaagctctg cgaccaaata tccgatgctg tctcgcagc ttgcctcgag   240
caggacccag acagcaaagt tgctgcgaa acatgcacca aaaccaactt                290
```

<210> 2299
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2299

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag agcagactta acaacagcac 60
 aaagcgggtt actgtctgtt caagctacca tctctctctc tctttcttag tgcctccttg 120
 ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt gaacgagggg 180
 caccctgaca agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag 240
 gaccctgaca gcaagggtgc ctgtgaaacc tgcac 275

<210> 2300
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2300

ncgtcgcang cgcgtacg taagctcgga attcggtcgc agaggcaagc cccactcaac 60
 cancacangg nncctcgtn acgtacccc tntctnctc ttcttctacc tttcagngtg 120
 ttaaaagtat aaagatggca gagacattcc tatttaccag agtcggtgaa cgagggacac 180
 cctgacaagc tctgcgacca aatctccgnt gctgtcctcg acgtttgcct cgagcaggac 240
 ccagacagca aagttgcntg cgaaacatgc nccaaaacca acttggncaat ggtcttcgga 300
 gaaatcag 308

<210> 2301
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2301

nngtcganc acgcgtacgt aagctcggaa ttcggctcga nctcgagccg attcggtcgc 60
 aggcccant caaccaccac acctctanct cgttcaogct acccctttct gctctttctc 120
 taactttcaa gttttaaaag tataaagatg gcagagacat tcctatttac ctcagagtcg 180

gtgaacgagg gacaccctga caagctctgc gaccaaattct ccgatgctgt cctcgacgct 240
 tgcctcgagc aggacccaga cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg 300

<210> 2302
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2302

acgtcgcang cacgcgtacg taagctcgga attcggctcg agcaggcaag ccccaactcaa 60
 ccaccacacc tctcctcggt cacgctaccc ctttctgctc ttcttctacc tttcaagttt 120
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacggcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaacat gcancaaaac caacttggtc atggt 295

<210> 2303
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2303

atgcacgcgt acgtaagctc ggaattcggc tcgaggccat ttgggagtta ggttctgcac 60
 gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca nacgtgctt 120
 cttcngcttg agaaatggca caagaaacct ttctattcac atctgaatct gtaaacgagg 180
 gtcaccccgga caagctgtgc gaccagatct ctgatgcagt gctcgatgcg tgctgaaca 240
 ggaccctgac agcaagggtg cctgtgagac atgcaccaag a 281

<210> 2304
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2304

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggggttact gtctgttcaa 60

gctaccatct ctctctctct tttcttagtgc ctctttgccga gaagttaaaa tggcccaaga 120
aactttccta ttcacatctg aatcagtga cggggggcac cctgagaagt ctgtgaccag 180
atctccgatg ctgtgctcga tgcattgnttg gagcaggacc ctgacagcaa ggttgccctgt 240
naaacctgca ncaagancaa catggtgatg gntttncgga gagatcacia acanngc 297

<210> 2305
<211> 310
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2305

gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag cngccactaa cgtaatcagg 60
ggnacaaagn natcacaagt tcaancnact tntcnnttc ttaangggcg tccntnccag 120
ncgttaaaat ggcccaagaa actttcctat ncacatctga atcagtgaac gangggcacc 180
ctgacagctc tgtgaccaga tctccgatgc tgtgctcgnt gcntgcntgg agcaggaccc 240
tgacagcnag gntgcctgtg aaacctgcac caagacnnac atggtgangg ttttcggang 300
anatcacaac 310

<210> 2306
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2306

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagg gccaggcaag cccactcaa 60
ccaccacacc tctcctcggt cacgtaccc ctttctgctc ttcttctacc tttcaagttt 120
taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggacc 180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgccct cgagcaggac 240
ccagacagca aagttgcctg cgaacatgc accannacca acttggtcat ggtct 295

<210> 2307
<211> 158
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2307

cnagggacac cctgataagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct 60
 cgaacaggac tcagacagca aggttgcctg cgaaacatgc accaagacca acttgggtcat 120
 ggtcttcgga gagacaccac caaggccaac gttgacta 158

<210> 2308
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2308

tcaagancac gcgtacgtaa gctcgggaatt cggctcgagg acttaacanc agcacaaaagn 60
 gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
 agttaaaatg gcccaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
 tgacaagctc tgtgancaga tctccgatgc tgtgctcgat gcatgcttgg agcaggaccc 240
 tgacagcaag gttgctgtga aacctgcacc aagaccaaca tgtgatgggtt ttcggaanag 300
 at 302

<210> 2309
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2309

acgtcgcgat cacncgtacg taagctcggg aattcnctc gagggcaagc cccactcaac 60
 caccacacct ctctcgttc acgtacnnc tttctgctct tcttctacct ttcaagtttt 120
 aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac 180
 cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct cgagcaggac 240
 ccagacagca aagttgcctg cgaaacatgc caccaaaacc aacttggtca tggtc 295

<210> 2310
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2310

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gcagacttaa caacagcaca 60
 aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt gcctccttgc 120
 cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg aacgaggggc 180
 accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc ttggagcagg 240
 accctgacag caaggttgcc tgtgaaacct g 271

<210> 2311
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2311

tnacangcac gcgtacgtaa gctcggaatt cggctcgagg gccaggcaag ccccaactcaa 60
 ccaccacacc tctcctcggt cacgctaccc ctttctgtct ttcttctacc tttcaagttt 120
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
 cccagacagc aaagttgcct gcgaaacatg caccanaacc aattgggtcat ggtttcggag 300
 aatcac 306

<210> 2312
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2312

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag ggccaggcaa gccccactca 60
 accaccacac ctctcctcgt tcacgtacc ctttctgtct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagnngtga acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
 cccagacagc aaagttgcct gcgaaacatg caccanaacc aacttgggtca tgggtcttcgg 300

agaaatca

308

<210> 2313
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2313

acgtcgcang cacgcgtacg taagctcgga attcggctcg ngcttgagca gacttaacaa 60
cagcacaaag cgggttactg tctgntcaag ctaccatctc tctctctctt tcttagtgcc 120
tccttgccag aagttaaaat ggccaanna actttccnat tcacatctga atcagtgaac 180
gagggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga ngcatgcttg 240
gagcaggacc ctgacagcaa ggttgctgtg gaaacctgca ccaagaccaa 290

<210> 2314
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2314

tcgcatgcac gcgtacgtaa gctcggaatt cnnctcgagg caagccccac tcaaccacca 60
cacctctcct cggtcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120
tataaagatg gcagagacat tcctatttac ctncagagtc ggtgaacgag ggacaccctg 180
acaagctctg cgaccaaata tccgatgctg tcctcgacgc ttgcctcgag caggaccag 240
acagcaaagt tgctgcgaa acatgcacca aaaccaactt ggtcatgggc ttgc 294

<210> 2315
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2315

ncgtcgcang cacgcgtacg taagctcgga attcggctcg aggatttgag gccaggcaag 60
ccccactcaa ccaccacacc tctcctcggt cagcgtaccc ctttctgctc ttcttctacc 120
tttnaagttt taaaagtata aagatggcag agacattcct atttacctca gagtcgggtga 180

acgagggaca ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc 240
 tcgagcagga cccagacagc aaagttgcct gcgaaacatg caccaaaacc aantggt 297

<210> 2316
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2316

acagcacnaa gcggggttact gtctgttcaa gctaccatct ctctactctc tttcttagtg 60
 cntccttgct agangttana atggcccang anactttcct attcacatct gantnagtga 120
 acgaggggca ccctgacaag ctctgtgncc agatctccga tgctgtgctc gatgcatgcn 180
 tggagcagga ccctgacanc aaggttgcct gtgaaacctg caccaagacc anc 233

<210> 2317
 <211> 288
 <212> DNA
 <213> Glycine max
 <400> 2317

tcgctgcacg cgtagcgaag ctcggaattc ggctcgaggc caggcaagcc ccaactcaacc 60
 accacacctc tcctcggtta cgctaccctt ttctgtcttt cttctacett tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcttc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa ttggtcat 288

<210> 2318
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2318

nncgtcgcan gcacgcgtac gtaagctcgg aattcggctc ganactcgag ccgattcggc 60
 tcgagggccc cactcaacca ccacacctct anctcggtta cgctaccacc tttctgtctt 120
 tcttctaact ttcaagtttt aaaagtataa agatggcaga gacattccta tttacctcag 180

agtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat gctgtcctcg 240
acgcttgctt cgagcaggac ccagacagca aagttgcctg cgaaacatgc accaaaacca 300
attg 304

<210> 2319
<211> 305
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2319

tcgcangcac gcgtacgtna gctcggnatt cggctcgagn ntttgaggcc aggcaagccc 60
cactcaacca ccacacctct cctcgttcac gctacccctt tctgctcttc ttctaccttt 120
caagttttta aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg 180
agggacaccc tgacaagctc tgcgaccaa tctccgatgc tgtcctcgac gcttgccctg 240
agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaaaccaan tgggtcatggt 300
cttcg 305

<210> 2320
<211> 299
<212> DNA
<213> Glycine max
<400> 2320

cgcattgcacg cgtacgtaag ctcggaattc ggctcgaggg ccaggcaagc cccactcaac 60
caccacacct ctctcgcttc acgctacccc tttctgctct tcttctacct ttcaagtttt 120
aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac 180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac 240
ccagacagca aagttgcctg cgaaacatgc accaaaacca attggtcatg gtcttcgga 299

<210> 2321
<211> 316
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2321

tcgcatgcac gcgtacgtna gctcggaatt cngctcgagc ngctcgagca cacctctcct	60
cgttcacgct acccctttct gctcttcttc tacctttcaa gttntaaaag tataaagatg	120
gcagagacat tcctattttac ctcagagtcg gtgaacgagg gacacctgac aagnctgcga	180
ccaaactccg atgctgtcct cgacgcttgc ctcgagcagg acccagacag caaagttgcc	240
tgcgaaacat gcaccaaaac caattgggtca tggctcttcgg agaaatcacg accaggccaa	300
gttgactacg agaaga	316

<210> 2322
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2322

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gagccatttg ggagttaggt	60
tctgcacgct ctgcttcag cgagtgttct ttcttcgttt caacacctta atttgcacac	120
gctgcttctt cagcttgaga aatggcaca gaaacctttc tattcacatc tgaatctgta	180
aacgagggtc accccgacaa gctgtgcgac cagatctctg atgagtgtc gatgcgtgcc	240
ttgaacagga ccctgacagc aagggtgcct gtgagacatg caccaaga	288

<210> 2323
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2323

gtngcangca cgcgtacgta agctcggaat tcnctcgag gcaagcccca ctcaagcagc	60
acanctctcc tcgttcacgc tacccttnc tgctcttctt ctacctttca agttttaaaa	120
gtataaagat ggcagagaca ttntatttta cctcagagtc ggtgaacgag ggacacctg	180
acaagctctg cgaccaaadc tccgatgntg tcctcgaatg naaatcgagc aggaccaga	240
nagcaaagtt gnctgcgana catgcaccaa aaccaacttg gtcatggtct tcggagaaa	299

<210> 2324
 <211> 254

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2324

 caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttgcttag 60
 tgccctccttg ccagaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt 120
 gaacgagggg caccgcacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180
 ttggagcagg accctgacag caaggttgcc tgtgaaacct ngcaccaaga ccnacatggt 240
 gatgggttttc ggag 254

<210> 2325
 <211> 227
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2325

 cacgcgtacg taagctcgga attcggctcg annttctcaa cattgtgaag gaaaactttg 60
 atttcaggcc tggatgatc tccatccaac cttgatctca agaggggtgg aaataacagg 120
 tttttgaaga ctgctgccta tggacacttt ggaagagaag accctgacnt tcacatgggg 180
 aagttggtcc naccncntcn agttgggnaa agccnaacca tttcatc 227

<210> 2326
 <211> 294
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2326

 gtcatgnagg acgnangacg tgnagctcag nattcggntc gagcggttcac gctaaccct 60
 ttctggctct ncttcnanct ttcaagtttt aaaagtatan agatgngcag aganattcct 120
 atttacctac agagtcggtt aacgagggac accctgacaa gctctgacgac caaatcccga 180
 tgctntcctc gacgcttgcc tcgagcngga ccagacagc aaagttgcct gcgaaacatg 240
 caccaaaacc aacttggtca tgggtcttcgg aganntcang accaaggcca acgt 294

<210> 2327

<211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2327

cgctgcacatgc acgcgtacgt aagctcggaa ttcggctcga ggnggggttac tgtctgtnc 60
 anctaccatc tctctctctc tntcttagtg cctcccgtgn cagnngtnan aatggcccaa 120
 naaactttcc tattnacatc tgaatcagtg aacgangggc anccganaan ctccgtgacc 180
 agatntccga tgctgtgntc gatgcatgct tggagcagga ccctgacagc aaggttgcc 240
 gtganacctg caccaagacc ancatgggtgn tggtttncgg a 281

<210> 2328
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2328

tacgttncnc gcgtacgtaa gctcgggaatt cggctcagga acagnacaaa gcgggttact 60
 gtctgttcaa gctaccatcc tctctctctc nttcttagtg cctcctnnn anaagttaaa 120
 atggcccann anactttcct atncacatct gaatcantga acgaggggca cnetgacaag 180
 ntctgtgncc agatctccgg tgctgtgctc gatgcatgct tggagcagga ccctgacagc 240
 aaggntgcct ggaaacctgc acnaagacca acatgggtgat ngntttcgga gann 294

<210> 2329
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2329

gntgcatgca cgcgtacgta agctcggaa ttcggctcag tgaggccagg caagccccac 60
 tcaaccacca cacctctcct cgttcacgct acccctttct gctacttctt ctacctttca 120
 agtttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag 180
 ggacaccctg acangctctg cgaccaaadc tccgatgctg tctctgacgc ttgcctcgag 240
 caggacccag acagcaaagt tgcttgcgaa acatgcacca aaac 284

<210> 2330
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2330

naacgcangc acgcgtacgt aagctcggaa ttcggctcga gggccaggca agccccactc 60
 aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt 120
 tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggga 180
 caccctgaca agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcag 240
 gaccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa cc 282

<210> 2331
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2331

angtcgcang cacgcgtacg taagctcggga attcggctcg nctcgcagcc gaatnggctc 60
 gagcacaaaag cgggntactg ncngntacaa gctacnatct ctncctctc tntcttagtg 120
 nctacctgcc agangtnaaa atggccnaag aaactntnct attnnnatct gnttcagtga 180
 acgagggggca cncctgacaan ntctttgacg agatctccga tgctgtgntc gatgcatgct 240
 tggagcagga ccctgacagc aaggttgcct gtnaaacctg cncnaananc aacatgggtga 300
 tggtttcgg 309

<210> 2332
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2332

ggccaggcaa gccccactca accaccacac aagtntcgt cacacgctga cccctttctg 60
 gtnttnttgt anntttcaag ntttaaaagt ataaagatgg cagagacatt cctattttacc 120

tcagagtcgg tgaacgaggg acaccctgac aagctntgcg accaaatctc cgatgctgtc	180
ctcgacgctt gcctcgagca ggacccagac agcaaagttg cnngcgaaac atggcaccaa	240
aaccaattgg tcatggtntt cg	262

<210>	2333
<211>	296
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2333

tngtctcatg cagcgtacg taagctcgga attcggctcg anctcgancc gnttcggcta	60
ctagaagccc cactcaacca ncacacctcn cnctcggtca ngctaccctt ttctgctctt	120
cttctacctt caagttttta aagtataaag atggcagaga cattcctatt tacctcagag	180
tcggtgaacg agggacaccc tgacaagctc tgcgacaaa tctccgatgc tgtcctcgac	240
gcttgccctg agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaaac	296

<210>	2334
<211>	291
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2334

tngtcgcang cagcgtacg taagctcgga attcggctcg nnctcgagcc gattcggctc	60
gagcaacagc acaaagcggg ttactgtngg ttcaagctac catctctact ctctctntct	120
tagagcctcc ttgccagaag ttaaaatggc ccaagaaact ttctattca catctgaatc	180
agtgancgag gggcacccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc	240
atgcttggag caggaccctg acagcaaggt tgctgtgaa acctgcacca a	291

<210>	2335
<211>	271
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2335

cgctggtgca cgcgtacgta agctcggaat tcggctcgcn agctccactc aaccaccaca	60
---	----

cntctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt tttaaaagta 120
 taaagatggc agagacattc ctatttacct cagagtcggg gaacgagggg caccctgaca 180
 agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcag gaccagaca 240
 gcaaagttgc ctgcgaaaca tgcacaaaaa c 271

<210> 2336
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2336

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ggccaggcaa gccccactca 60
 accaccacac tggctcctcg tttncgctac ccctttctnc ctcttcttct acctttcaag 120
 ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg 180
 acaccctgac aagctctgcg accaaattctc cgatgctgtc ctcgacgctt gcctcgagca 240
 ggaccagac agcaaagttg cctgcgaaac atgcacaaaa acca 284

<210> 2337
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2337

ncgtcgang cacncgtacg taagctcgga attcggctcg nnctcgagcc gattcggctc 60
 gagcaagccc cactgcaacc accacaacnt ctctcctggt cactgactacc cctttctgct 120
 cttcactcta cctttcaagt tttaaaagta taaagatggc agagacattc ctatttacct 180
 cagagtcggg gaacgagggg caccctgaca agctctgcga ccaaattctcc gatgctgtcc 240
 tcgacgcttg cctcgagcag gaccagaca gcaaagttgc ctgcgaaaca tgcacaaaaa 300
 cca 303

<210> 2338
 <211> 183
 <212> DNA
 <213> Glycine max

tgcgatgcac	gcgtacgtna	gctcgggaatt	cggctcagagt	gaaaccctg	agtacatgcc	60
cctcagccat	gtccttgcaa	ccaaactcgg	tgctcgcctc	accgagggtta	ggaaaaatgg	120
tacctgtgct	tggtgagggc	cagatggcaa	gacacaagta	actgttgagt	actacaatga	180
caa						183

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<223>      unsure at all n locations
<400>      2339
```

<210>	2340
<211>	259
<212>	DNA
<213>	Glycine max

tgcgancac	ngngtacgtn	agctcggaat	tcggctcgag	ganagcacia	agcgggttac	60
ngtctgtnc	agctaccatc	tctctctctc	tttcttagtg	cctccttgcc	agaagttaaa	120
atggcccaag	aaactttcct	attcacatct	gaatcagtga	acgaggggca	ccctgacaag	180
ctctgtgacc	agatctccga	tgctgtgctc	gatgcatgct	tggagcagga	ccctgacagc	240
aaggttgcct	gtgaaacct					259

854

<211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2341

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ncgcatgcac gcgtacgtaa gctcgggnatt cngctcgnnc tcgagccgat tcggctcgag 60
aaacgagcca tttggnagtn aggtncctgc acgntctgct taccgcgnag tgttctttct 120
tcacttcaac accttaattt ncacacgctg cttcttcngc ttgaganatg gcacaagaaa 180
cntttctatt cacatctgaa tctgtaaacg anggtcaccc cgacaagctg tgcgaccaga 240
tctctgatgc agtgctcgat gcgtgccttg aacaggaccc tgacagcaag gttncctgtn 300
agacatgcn 309
```

<210> 2342
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2342

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cgtgcagcgt acgtaagctc ggaattcggc tcgagcagac ttaacaacag cacnaagcgg 60
gttantgtct gttcaagcta ccatctctct ctctntttct tagtgccctcc ttgccagang 120
ttaaaatggc ccaanaaact ttctntttca catctgaatc agtgaacgag gggcaccctg 180
acaagntctg tgaccagatc tccgntgctg tgctcgatgc atgcttggag caggaccctg 240
acancaaggt tgcctgtgan acctgcacca agaccaa 277
```

<210> 2343
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2343

```
gtcgcangca cgcgtacgtn agctcggnat tcggctcgag gnggccaggc aagccccact 60
caaccaccac acctctctc gttcacgcta cccctttctg ctcttcttct acctttcaag 120
ttttaaaagt ataaagatgg cagagacatt cctatattacc tcagagtcgg tgaacgaggg 180
acaccctgac aagctctgcg accaaatctc cgatgctgtc ttcgacgctt gcctcgagca 240
```

ggacccagac agcaaagttg cctgcgaaac atgcaccaaa nccaact 287

<210> 2344
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2344

cacgcgtacg taagctcgga attcngctcg aggcaagccc cactcaacca ccacacctct 60
 cctcggttcac gctacccctt tctgctcttc ttctaccttt caagttttaa aagtataaag 120
 atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc tgacaagctc 180
 tgcgacaaa tctccgatgc tgtcctcgac gcttgccctg agcaggaccc agacagcaaa 240
 gttgcctgcg aaacatgcac caaaaccaat tggatcatgnt cttcggagaa atcacgacca 300
 ggccaagntg actacgagaa g 321

<210> 2345
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2345

ngtcgcangc acgcgtacgt nagctcgga ttcggctcgn nntcgagccg aatcggtctg 60
 agcaaagacc ccactcaacc accaancctc tctcggttca cgctacccct ttctgctctt 120
 cttctacctt tcaagtttta aaagtataaa gatggcagag acattcctat ttacctcaga 180
 gtcggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 240
 cgcttgccctc gagcaggacc cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa 300
 ttg 303

<210> 2346
 <211> 307
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2346

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tcnagccggt gatttggagt 60
 ttggagcgac tgaactaatc attaatttgc actccgctgt ttcagcttca tcacccttct 120
 tttgcatcat ttatatctct tgagaaatgg cacaagaaac ctttctattc acatctgaat 180
 ctgtaaacga nggtcacccc gacangctgt ncnancagat ctctgatgca gtacttgatg 240
 cgtgcctgan caggaccctg acagcaaggt tgctgtgag acatgcacca agaccaantg 300
 gtcattgg 307

<210> 2347
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2347

gtcncctgcac gcgtacgtaa gctcggaatc ggctcgannc tcgagccgaa tcggctcgag 60
 aacagcacia agcgggttac tgtcacttca agctaccatc tatctctntn ctttcttagt 120
 gcntccttgg ccanaagtta aaatggccca agaaactttc ctattcacat ctgaatcagt 180
 gaacgagggg caccctgaca agctctgtga ccagatctcc gatgctgtgc tcgatggcat 240
 gcttgagca ggaccctgac agcaagggtt nctgtgnaaa cntggtacca agaccaacat 300
 ggtgatgggt ttcggn 316

<210> 2348
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2348

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag gcccactca accaccacac 60
 cactctctct gctcttcttc tacctttcaa gtttttaaag tattaagatg gcagagacat 120
 tcctatttac ctcagagtca gtgaacgagg gacaccctga cagctctgcg accaaatctc 180
 cgatgctgtc ctcgacgctt gccttgaaca ggaccagac ancaagggtt cctgcgaaac 240
 atggcaccaa gaccaattgg tcatggtctt cggagagatc a 281

<210> 2349

<211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2349

aaagtcgcan gcacgcgtac gtaagctcgg aattcggctc gagcactcaa ccaccacacc 60
 tctcctcggt cagcgtaccc ntttctgnct ncttcttcta cctttcaagt tttaaaagta 120
 taaagatggc agagacattc ctattttacct cagagtcggt gaacgagga caccctgaca 180
 agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcag gaccagaca 240
 gcaaagttgc ctggcgaaac atgcacaaa accaacttgg tccatggtct tcgga 295

<210> 2350
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2350

tttacttnnc ccgnccggta caagtcataa attcccgggn cgacccacgc ntccnnccac 60
 gcgtccgtac ggctgcgaga agacgacaga agggggcagc gcttgatttg aggccaggca 120
 agccccactc aaccaccaca cctctcctcg ttacgctac ccctttctgc tcttcttcta 180
 cctttcaagt tttaaaagta taaagatggc agnacattc ctattttacct canagtcggt 240
 gaacgagga cncctgaca agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg 300
 ccncgatcag gaccagaca gcaaanttgc ctgcaaaa tgcacaaaa accaacttgg 360
 tcatggtctt cggagaaatc angacaaan gccaacgtng actacngaag aanaatagt 420
 cgttnacacc tngcaggaac atcngcttc gtctcaaat gatttgngga ctggattcnc 480
 naacaactgg g 491

<210> 2351
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2351

gtcgnangan gcacgcgtac gtnagctcgg aattcggctc gancagcac aaagcgggtt 60

acngtctgtt caagctacca nctctctctc tctttcttag tgcctccttg ccagangtta 120
 aaatggccca agaaacttnc ctanncacat ctgaatcagt gaacgagggg caccctgaca 180
 agctcngtga ccagatcncc gatnctgtgc ncgatgcatg cttggagcag gaccctgaca 240
 gcaaggtngc ctgtgaaanc tgcaccaaga ncaact 276

<210> 2352
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2352

anggnngngc acgcgtacgt aagctcggaa ttcgggtcga gnggcnagcc cactcaacc 60
 accacacctc tcctcgttca ngctacccct ttctgctctt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc gagcaggacc 240
 cagagagcaa ggttgcntgc gaaacangca ccnaaaanca anttggtnat ggtccttcgg 300
 ngattcacga ccang 315

<210> 2353
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2353

gccnangcac gcgtacgtaa gctcgggaatt cggtcgcagt gatttgangc taggcaagcc 60
 ccantcaacc accacacctc tcctcgttca cgctacccct ttctgctctt cttctacatt 120
 tcnagtttta aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac 180
 gtnggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc 240
 gagcaggacc cagacagcaa agttgcctgc gaaacatgca ccaaaac 287

<210> 2354
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2354

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agtcgcangc acgcgtacgt aagctcggan ttngctcga gggcaagccn cactcaacca   60
cnacacntct cctcgtnca cgtaccctt ttgctnctct tcttctacct ttcaagtttt  120
aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac  180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgcct cgagcaggac  240
ccagacagca aagttgcctg cgatacatgc accaaaa                               277
```

<210> 2355
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2355

```
cnntcaacnn gnanagtcgc angcacgcgt acgtaagctc ggaattcggc tcgaggcaga   60
cttaacaaca gcacaaagcg ggttactgtc tgttcaagct accatctctc tctctctttc  120
ttagtgcttc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat  180
cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg  240
catgcttggg gcaggaccct gacagcaagg ttgcctgtga aacctggaac caaggnccan  300
tttgnn                                           306
```

<210> 2356
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2356

```
tcgcangcac gcgtacgtaa gctcggaatt cggtcagat gaggccaggc aagccccact   60
caaccaccac acctctcttc gttcacgcta cccctttctg ctcttcttct acctttcaag  120
ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg tgaacgaggg  180
acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgncgctt gcctcgagca  240
ggaccagac agcaaagttg cctgcgaaac atgcacaaaa ancaa                               285
```

<210> 2357
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2357

nagtcgcang cacgcgtacg taagctcgga attcggctcg agttgaggcc aggcaagccc 60
 cactcaacca ccacacctct cctcggtcac gctaccctt tctgctcttc ttctaccttt 120
 caagttttta aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg 180
 agggacaccc tgacaagctc tgcgacaaa tctccgatgc tgcctcgcac gcttgccctcg 240
 agcaggaccc agacagcaaa gttgcctgcg aaacatgcac caaacaact tggtcatg 298

<210> 2358
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2358

gtngcangca cgcgtacgta agctcggaat tcggctcgag nttgaggcca ggcaagcccc 60
 antcaaccac canacacnct cctcgtnnat ggctaccctt ttctnctct tcttgctacc 120
 tttncagtt tnaaaagtat aaagatggca ganacattcc tatctacctc agagtcggtg 180
 aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc 240
 ctcgagcagg acccagacag caaagttgcn tgcgaaacat gcaccaan 288

<210> 2359
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2359

tcgcatgcac gcgtacgtaa gctcgggaatt cngctcgagg caagccccac tcaaccacca 60
 cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120
 tatanagatg gcagagacat tcctatttac ctcagagtcg gtgaacgngg ngacaccctg 180
 acaagctctg cgaccaaata tccgatgctg tcctcgacgc ttgcctcgag caggacccag 240

acagcaaagt tgcctgcgaa acatgcacca aaaccaactt ggtcatggtc ttcggagaaa 300
 tcacgaccaa gccaaagttga ctagaagaag atatg 335

<210> 2360
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2360

ttcnaacttt caccgcccag gtaacngtan aagaattccc ggnccgaccc acngtccanc 60
 ccangcgtcc gccacgcgt ccgtacggct gcnanaagac gacagaangg gcaccgcttg 120
 agcagactta acaacatnac aaaccgggtt actgtctgtt canggctacc atctctctct 180
 ctctttctta ggtgnctcct tgccagnang tnnnaatgng gnaagnaac ttnccatttc 240
 acatctgant cagtgaacga tgggnaccnt gacaagctct gtgaccagat cnccgatgcn 300
 gtgctcgatg cangcttgga gcaggaccct gacagenncg ttgcctgtga aacctgcacc 360
 aataccanca tggatgatggg ttttcggaga gatnccaanc gangccnaan nttgnaacta 420
 ttaggaagat tngnggcgnt gacncatnca ggaananttn ctttgncgcc nngntnatgg 480
 ntgctcctgn nggcnganaa ncttc 505

<210> 2361
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2361

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggcagactt aacaacagca 60
 canagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt 120
 gccagaagtt aaaatggccc aagaanttt cctattcaca tctgaatcag tgaacgaggg 180
 gcaccctgac aagctctgtg accagatctc cgatgctgtg tcgatgcatg cttggagcag 240
 gaccctgaca gcaaggttgc ctgtgaaacc tgcaccaaga cca 283

<210> 2362
 <211> 495

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2362

tttacnagct cttacgcggn caantaccgt gtntaggnat tcccgggctc gacncacgcg 60
 tcagtagcgc tgcgagaagn gaacnnaggg ggcaacacnt ggnttgangn catgcaagcc 120
 ccaactcaacc accacacctc ncctcgttca cgctaccctt ttctgctctt cttctancctt 180
 tcatntttta anncgatan agatggcana gacattccta tttacntcag ngtcagtga 240
 cganggacac nctgacaagc tctgcgagca aatctccagn tgctgtcctc gacgcttgcc 300
 tcgancagga ccatacagc aaacttgcct gccaanatg ctccaaaacc ancttggctn 360
 tngtcttcgg anaaatcncn accaaggcca acnttgactn cnanangata ntgcgttaca 420
 ctgcnggaac atnggcttct tctcatatga tntgggactg gattccnact cctgcaaagt 480
 ccttcgtcaa ctttt 495

<210> 2363
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2363

gttgcatgca cgcgtacgta agctcggaat tcnctcgag aacagcacna agcggggttac 60
 tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc agaagttaaa 120
 atggcccaag aaactttcct attcacatct gaatcagtga acgagggcac cctgacaagc 180
 tctgtgacca gatctccgat gctgtgctcg atgcatgctt ggagcaggac cctgacagca 240
 aggttgccctg tgaaacctgc accaag 266

<210> 2364
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2364

agtcactgca cgcgtagtaa gctcggaatt cggctcganc tcgagccgat tcggctcgag 60

ggcagactta acaacagcac aaacgcgggt tactgtctgn tcaagctacc atctctctct 120
ctctttctta gtgcctcctt gccagaagtt aaaatggccc aagaaacttt cctattcaca 180
tctgaatcag tgaacgaggg gcaccctgac aagctctgtg accagatctc cgatgctgtg 240
ctcgatgcat gcttggagca ggaccctgac agcaagggtg cctgtg 286

<210> 2365
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2365

tgcgacgcac gcgtacgtna gctcggaatt cggctcgagg cagacttaac aacagcacia 60
agcggggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
ccctgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct tggagcagga 240
ccctgacagc aaagttggcc tgtgaaacct gcaccangng tgacatgggtg atggtttctg 299

<210> 2366
<211> 316
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2366

naaaanaang gaaantcgca tgcacgcgta cgtnagctcg gaattcggct cgagggccag 60
gcaagcccca ctcaaccacc acacctctcc tcgttcacgc tacccttttc tgetcttctt 120
ctacctttca agtttttaaaa gtataaagat ggcagagaca ttctatttta cctcagagtc 180
ggtgaacgag ggacaccctg acaagctctg cgaccaaate tccgatgctg tcctcgacgc 240
ttgcctcgag caggacccag acagcaaagt tgcttgcgaa actgcaccan aaccaattgg 300
tcatggtctt cggaga 316

<210> 2367
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2367

gtcgcngcac gcgtacgtga gctcgggaatt cggctcgagg gccaggcaag cccactcaa 60
 ccaccacacc tctcctcggt cacgctaccc ctttctgctc ttcttctacc ttacaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
 acccagacag caaagttgcc tgcgaaactg caccancacc aattggtca 289

<210> 2368
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2368

gtcgcangca cgcgtacgtn agctcgggaat tcggctcgag ggccaggcaa gcccactca 60
 accaccacac ctctcctcgt tcacgctacc ctttctgctc cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggta acgagggaca 180
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 240
 cccagacagc aaagttgcct gcgaaacatg caccataacc aacttgggtca tgggtcttcgg 300
 ag 302

<210> 2369
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2369

cgcattgcacg cgtacgtnag ctcggaattc ggctcgagtt tgaggccagg caagcnccac 60
 tcaaccacca cacctctcct cgttcacgct acccctttct gctacttact tctacctttc 120
 aagtttttaa agtataaaga tggcagagac attcctatct acctannagc cggatgaacga 180
 gggacaccct gacaagctct gcgaccaa atctcgatgct gtctctcgacg cttgcctcga 240
 gcaggaccca gacagcaaag ttgcctgcga aacatgcacc aaaacnaa 288

<210> 2370
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2370

cgcangcacg cgtacgtaag ctcggaattc ngctcgagca agccccactc aaccaccaca 60
 cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt tttaaaagta 120
 taaagatggc agagacattc ctatttacct cagagtcggt gaacgaggga caccctgaca 180
 agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg cctcgagcag gacccagaca 240
 gcaaagttgc ctgcgaaact gcacaaaaac caatgggtca ngntctnaga aa 292

<210> 2371
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2371

gtcgcngcac gcgtacgtaa gctcgggnatt cngctcgagg caagccccac tcaaccacca 60
 cacctctacc tacgttcacg ctaccccttt ctgctcttct totaccttta caagttttta 120
 aagtataaag atggcagaga cattcctatt tacctacaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgaccaa atctccgatg ctgtctctga cgcttgcttc gagcaggacc 240
 cagacagcaa agttgcctgc gaaacatgca ccaaaaccaa cttggtca 288

<210> 2372
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2372

acgtcgctgc acgcgtacgt aagctcggaa ttcggctcga ggtgatttgg agtttggagc 60
 gactgaacta ntcattaatt tgcacttcgc tgtttcagct tcatcaccct tcttttgcac 120
 catttatatc tcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa 180
 ccanggtcac cccgacaagc tgtgcgacca gatctctgat gcagtacttg atgcntgcct 240

gnncaggacc ctggacagcn aggtancctg tnagacatgc accaagacca acatgggtca 299

<210> 2373

<211> 283

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2373

cgcatgcacg cgtacgttag ctcggaattc ggctcgaggg caagccccac tcaaccacca 60

cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120

tataaagatg gcagagacat tcctatttac ctcagantcg gtgancgagg gncaccctga 180

caagctctgc gaccaaactc ccgatgctgt cctcgacgct ngcctcganc aggaccana 240

cagcnaagtt gcctncgana catgnaccaa aaccaacttg gtc 283

<210> 2374

<211> 283

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2374

gannagtgcg angcacgcgt acgtaagctc ggaattcggc tcgaggnaca gcacaaagcg 60

ggttactgtc tgttcaagct accatctctc tctctctttc ttagtgcttc cttgccagaa 120

gttaaaatgg cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct 180

gacaagctct gtgaccagat ctccgatgct ntgctcgatg catgcttgga gcaggaccct 240

gacagcaagg ttgcctgtga aaactgcaac caagaccaan nat 283

<210> 2375

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2375

nanncgchang cacgcgtacg taagctcgga attcggctcg agctcgagcc gtggagtgtg 60

gagcgactga actaatcatt aatttgcaact ncgctgtttc agcttcatca cccttctttt 120

gcattcattta tatctcttga gaaatggcac aagaaacctt tctattcaca tctgaatctg 180

taaacnaggg tcaccccgac aagctgtncn accagatctc tgatgcagta ctgatgcgn 240
gcctgancag gaccctgaca gcaagggttg ctgtgagaca tgcaccaagn cccaacatgg 300
tc 302

<210> 2376
<211> 270
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2376

gcanngtnac gtaagctncg gaattcggct cgaggactta acaacagcac aaagcgggtt 60
actgtgctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgaa 180
caagctctgt gaccagatct ccgatgctgt gctcgatgca tgcttgagagc aggaccctga 240
cagcaagggtt gcctgtgana cctgcaccaa 270

<210> 2377
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2377

ngtcgcangc acgcgtacgt aagctcgga ttcggctcga gagaccaagc cccactcaac 60
cancacacca ntctactctg ctcttcttct acctttcaag tttctaaagt atnaagatgg 120
cagagacatt cctattnacc tcagagtcag tgaacnaggg acaccctgat caagctctgc 180
gagccanatc tccgatgctg tctcgcacgg cttgccttga acaggacca gacagcaagg 240
ttgcctgcga aacatgcacc aagaccaact tggatcatggt cttcggagag atcaccncca 300
aggccaacgt tg 312

<210> 2378
<211> 328
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 2378

agtcgcatgc acnctgtacgt aagctcggaa tttcggctcg aggcattgtg gcaagtggac 60
tagccagaag gtgcancncn gcaagtgtct tatgccattg gtgtgcnega ncctttgtnc 120
tgtatttggt gacacctatg gcaccgggaa gatccatgat aaggagattc tcaacattgt 180
gaaggagaac ttgatttcan nccccgtatg atctcccatc aaccttgatn tcaagagggg 240
tggaataaac aggttcttga agatgctgca tatggacatt cggcagagag ncgnattcac 300
aggggatggt cnangcccc ccaatggg 328

<210> 2379

<211> 258

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2379

cagcacaang cnggttacng ncnngtcaag cnaccatctc tctctctctt tnttagtggc 60
ctccttgcca gaagttaaaa tngcccaaga aactttcnta ttcacatctn aanccagtna 120
acgaggggca ccctgacaag ctctgtganc agatcnccga tgcngtgctc gntgcatnnt 180
tggagcanga ccctgacagc aaggttgcct gtgaaacctg naccaanacc aacatggnga 240
ngggttcgga gagatcac 258

<210> 2380

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2380

gtcgcanang angcgnacgt ncagctcgga attcggctcg aggtccggta tgatctccat 60
caaccttinga tctcaagagg ggtgggaata acaggttctt gaagactgct gcatatggac 120
acttcggcag agaggaccct gacttcacat gggaagtggg caagcccctc aagtgggaga 180
nggcctaagg ccattcattc cacngcaatg tgctgggagt ttttnagcgt tgcccttata 240
atgnctatta tccataactt tccacgt 267

<210> 2381

<211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2381

```

agtcnnatna acgcgtacgt aagctcggaa ttcggctcga gtacggctgc nagaagacga 60
cagaaggggg cagcgcttga tttgaggcca ggcaagcccc actcaaccac cacacctctc 120
ctcgttcacg ctaccctttt ctgctcttct tctacctttc aagttttaaa agtataaaga 180
tggcagagac attcctatatt acctcagagt cgggtgaacga gggacaccct gacaagctct 240
gcgaccaaatt ctccgatgct gtctctcgacg cttgcctcga gcaggaccca gacagcaaag 300
ttgcctgcga a 311

```

<210> 2382
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2382

```

tttgaggcca ggcaagcccc actcaaccac cacacctctc ctcgttcacg ctaccctttt 60
actgctctnc ttctaccttt caagttttta aagtataaag atggcagaga cattcctatt 120
tacctcagag tcgggtgaacg agggacaccc tgacaagctc tgcgacaaaa tctccgatgc 180
tgtctctgac gcttgctctg agcaggaccc agacagcaaa gttgcctgcg aaaca 235

```

<210> 2383
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2383

```

ncngcncgng tacnggtacg cnagctcgga attcggctcg aggtgctggg gaccagggtc 60
acatgtttgg ctatgccact gatgaaaccc ctgaattgat gccattgagc catgttcttg 120
caacaaaact cgggtgctcgt ctcaccgagg ttcgnaagaa cggtagct 168

```

<210> 2384
 <211> 156

<212> DNA
 <213> Glycine max
 <400> 2384
 tagtgcctcc ttgccagaag ttaaaatggc ccaagaaact ttcctattca catctgaatc 60
 agtgaacgag gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc 120
 atgcttggag caggaccctg acagcaaggt tgccctg 156
 <210> 2385
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2385
 ggccaggcaa gccccactca accaccacac ctctcctcgt tcacgctacn cctttctgct 60
 cttcttctac ntttcaagtt ttaaaagtat aaagatggca gagacattnc ctatttacct 120
 canagtcggt gaacgagggg caccctgaca agctctgcga ccaaattctcc gatgctgtcc 180
 tcgacgcttg cctcgagcag gactcagaca gcaaagttgc ctgcgaaaca tggcaccaan 240
 accaattggt catggtcttc ggagaatcac gnccaagg 278
 <210> 2386
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2386
 gtcgcangca cgcgtacgtn agctcggnat tcggctcgag ggccaggcaa gccccactca 60
 accaccacac ctctcctcgt tcacgctacc cctttctgct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgaggggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct tcgacgcttg cctcgagcag 240
 gaccagaca gcaaagttgc ctgcgaaaca tgcaccaa 278
 <210> 2387
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2387

```
nngtcgcang cacgcgtacg taagctcggg attcggctcg agtacggctg cnagaagacg   60
acagaagggg gcagcgcttg atttgaggcc aggcaagccc cactcaacca ccacacctct  120
cctgcgttca gctacccctt tctgctcttc ttctaccttt caagttttta aagtataaag  180
atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc tgacaagctc  240
tgcgacaaa tctccgatgc tgtcctcgac gcttgccctg agcaggaccc agacagcaaa  300
gttgccctgc                                     309
```

<210> 2388
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 2388

```
gctcgggaatt cggctcgagc acaaagcggg ttactgtctg ttcaagctac catctctctc   60
tctctttctt agtgccctct tgccagaagt taaaatggcc caagaaaactt tcctattcac  120
atctgaatca gtgaacgagg ggcaccctga caagctctgt gaccagatct ccgatgctgt  180
gctcgatgca tgcttggagc aggaccctga cagcaagggt                               219
```

<210> 2389
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2389

```
gngtacgtna gctcgggaatt cggctccgag ngatttgagg ccaggcaagc ccactcaac   60
caccacacnt ctctcgttc acgtacccc tttctgctct tttctacct ttcaagtttt  120
aaaagtataa agatggcaga gacattccta ttacctcag agtcggtgaa cgagggacac  180
cctgacaagc tctgcgacca aatctccgat gctgtcctcg acgcttgctt cgagcaggac  240
ccagacagcn aagttgcttg cgaaactgca ccaaaaccaa tnggtcagggt cttcgggaat  300
cngacaagcc acgt                                     314
```


<210> 2390
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2390

ggaannntcg cangcacgcg tacgtnagct cggaattcgg ctcgagnact taacaacagc 60
 acaaagcgagg ttactgtctg ttcaagctac catctctctc tctctttctt agtgcctcct 120
 tgccagaagt taaaatggcc caagaaactt tcctattcac atctgaatca gtgaacgagg 180
 ggcacctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gttggagcag 240
 gacctgacag caaggttgcc tgtgaaacct gcaccaagac caanatg 287

<210> 2391
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2391

annantcgca ngcacgcgta cgtnagctcg gaattcngct cgagggccag gcnagcccca 60
 ctcaaccacc acacnactcc tcnttcncgc tacccttttt ctgcnentct tctacctttc 120
 aagtttttaa agtatanaga tggcagagac attcctatth acctcagagt cgggtgaacga 180
 gggacaccct gacaagctct gcgaccaaatt ctccgatgct gtgcttcgac gcttgccctcg 240
 agcaggacnc agacagcaaa gttgcctgcy aaacatgcac c 281

<210> 2392
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2392

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag caggcaagcc ccaactcaacc 60
 accacacctc tctctgttca cgctaccctt ttctgtcttt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag acattcctat ttacctcaga gtcggtgaac gaggacaccc 180
 tgacaagctc tgcgacaaa tctccgatgc tgtcctcgac gcttgcntcg agcaggaccc 240

agacagcaaa gttgcctgcg aaacatgcag caaaa 275

<210> 2393
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2393

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagt acggctgcga gaagaccaca 60
 gaagggggca gcgcttgaga ccaagcccca ctcaaccacc acaccactct ctctgctctt 120
 cttctacctt tcaagttttt aaagtattaa gatggcagag acattcctat ttacctcaga 180
 gtcagtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 240
 cgcttgccctt gaacaggacc cagacagcaa ggttgctgga aacatgnana agnccatntg 300
 ggt 303

<210> 2394
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2394

cgtaagctcg gaattcggct cgaggtttca acaccttaat ttgcacacgc tgctttcttca 60
 gcttgagaaa tggcacaaga nacctttcta ttcacatctg aatctgtaaa cgaggggtcac 120
 cccgacaagc tgtgcgacca gatctctgat gcagtgcctg atgcgtgcct tgaacaggac 180
 cctgacagc 189

<210> 2395
 <211> 183
 <212> DNA
 <213> Glycine max
 <400> 2395

gctgcacgcg tacgtaagct cggaattcgg ctogagctca agtttttgaa gtatagagat 60
 ggcagagaca ttctatttta cctcagagtc agtgaacgag ggacaccctg acaagctctg 120
 tgaccaaate tctgatgctg tctcgcgcgc ttgcctcgaa caggaccag acagcaaggt 180

tgc

183

<210> 2396

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2396

gtcgcangca cgcgtacgtn nagctcggna ttcggctcgn ccctcgagcc gaattcggct 60

cgagcaagcc ccaactcaacc accacaccnc tctcgttca cgcacncccc tttctgctct 120

tcttccacct ttcaagtttt aaaagtataa agatggcaga gacattcctt ttacctcaga 180

gtcgggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 240

cgttgcctc gagcaggacc cagacagcaa agttgcctgc gaaacatgca cc 292

<210> 2397

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2397

gtcgcangca cgcgtacgtn agctcggnaa ttcggctcga gngatttgag gccaggcaag 60

ccccactaca accaccacac ctctcctacg ttcaagctac ccctttctgc tcttcttcta 120

cctttcaagt tttaaaagta taaagatggc agagacattc ctattttacct cagagtcggg 180

gaacgagggg caccctgaca agctctgcga ccaaattctcc gatgctgtcc tcgacgcttg 240

cctcgagcag gaccagaca gcaaagttgc c 271

<210> 2398

<211> 287

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2398

cncgcgtacg taagctcgga attcgnctcg aggcagactt tcacaacagc acaaagcggg 60

ttactgtctg ttcaagctac catctcgtctc tcgctttctt agtgctctct tggccanaag 120

tnaaaatggc ccaagaaact tncctattca catctgaatc agtgaacgag gggcaccctg 180

acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgtcttgga gcaggaccct 240
gacancaagg ttgcctgtga aactgcacca agaccaacat ggtgatg 287

<210> 2399
<211> 307
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2399

gcangcncgc gtncgtgagc tcggnnttng gctcgnnggc caggcaagcn ccactcancc 60
accacacctc tntcgttca cgctaccctt ttctgctctt cttctacctt tcangtttta 120
anagtataaa gntggcagag acnttcctnt ttncctcaga gtcggtgaac gagggacacc 180
ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgcgtc gagnanggac 240
cnagacngca agttgcctgg gaaacatgca ccaggaccaa tttggtaatg gtctcgggaa 300
aatcgng 307

<210> 2400
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2400

ngtcgctgca cgcgtacgta agctcggaat tcggctcgag gacttaacaa cagcacaaag 60
cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc tccttgccag 120
aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac gaggggnacc 180
ctganaagct cngngacnng nnntcngngn tngnncngn gnangctnga gganggccct 240
nacagcaagg ttgcctgtga aacctgcacc aagaccaaca tggatgatggt t 291

<210> 2401
<211> 304
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2401

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gggccaggca agccccactc 60
aaccaccaca cctctcctcg ttcacgctac ccctttctgc tcttcttcta cctttcaagt 120
tttaaaagta taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggga 180
caccctgaca agctctgcga cccaaatctc cgatgctgtc ctcgacgctt gncctcgagc 240
aggacccaga cagcaaagtt gcctgcgaaa catgcaccaa aaccaacttg gtcatggtct 300
tcgg 304

<210> 2402
<211> 302
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2402

anncangngt acgttagctc ggaattcggg tcgagnacna cagnacaatg cgggttactg 60
tctgttcaag ctaccatcta ctctctcaact ttcttacngc ctccttggcc agaagttaaa 120
atgacccaag aatctttcct agtcacatct gaatcagcga acgaggngca ccctgacaag 180
ctccgtgacc agatctccga tgctgtgccc gatgcatnct tggagcagga cccnacagca 240
agtttgcctg ttaaacctgt nccaagacca acatggtgat ggtttgggaa anatcacaac 300
cn 302

<210> 2403
<211> 289
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2403

gtcgcangca cgcgtacgta agctcggaa ttcggctcga caccctctct cgttcacgct 60
acccctttct gctcttcttc tacctttcaa gttttaaaag tataaagatg gcagagacat 120
tcctatttac ctcagagtcg gtgaacgngn gacaccctga caagctctgc gaccaaactc 180
ccgatgctgt cctcgacgct tgccctcgagc aggacccaga cagnaaagnt nccngcgaaa 240
canntcacca aaaccaacnt ngnnanngnc atnggagaaa ncacgacca 289

<210> 2404

<211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2404

nnnanaacct tanaagtcgc angcacgcgt acgtaagctc ggaattcggc tcgaggctgc 60
 gagaagacga cagaaggggg cagcgcttga tttgaggccg ggcaagcccc actcaaccac 120
 cacacctctc ctcgttcacg ctaccccttt ctgctcttct tctacctttc aagttttaaa 180
 agtataaaga tggcagagac attcctatct acctcagagt cggatgaacga gggnnaccct 240
 gacaagctct gcgaccaaatt ctccgatgct gtccctcgacg cttgcctcga gcaggaccca 300
 gacagcaaag ttgcct 316

<210> 2405
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2405

cgctcgatgc acgcgtacgt aagctcggaa ttcggctcga gntttggagt ttggagcgac 60
 tgaactaatc attaatctgc actcgctgtt tcagcttcat gcacccttct tttgcatcat 120
 ttatatctct tgagaaatgg cacaagnac ctttctattc acatctgant ctgtaaacga 180
 gggtcacccc gacatgctgt ncgaccagat ctctgatgca gtacttgatg cgtgccttga 240
 acaggaccct gacagcaagg ttgn 264

<210> 2406
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2406

nctagcacnc gtacgtaagc tcgggaattc anctcgannng caagccccac tcaaccacca 60
 cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaaag 120
 tataaagatg gcagagacat tcctatttac ctacagatcg gtgaacgagg gacaccctga 180
 caagctctgc gaccaaattct gccgatgctg tcctgcgacg cttgcctcga gcaggaccca 240

gacagcaaag ttgcctggcg aaacatgtac caaaaccaac ttggtcatgg tnttcggaga 300
aatcacga 308

<210> 2407
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2407

tgcttgacg cgtacgtaag ctcggaattc ggctcgaggt tgagaccaag acacactcgt 60
tcatatatct ctntctgtct tctcttcttt ctacctctca agtttttgaa gtataaagat 120
ggcagagaca ttcctattca cctcggagtc agtgaacgag ggacaccctg ataagctctg 180
cgaccaaadc tcgatgctgt cctcgacgct tgcctcgaac aggaccagat cagccangtt 240
gcctgcgnaa acatgcacca agaccaattg gtcctgggtct tcggagagat caccaccagg 300
gccangntga cnncaagatc gtgcgtnaca c 331

<210> 2408
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2408

agtcgcaggg acgcgtacgt aagctcggna ntcggctcga ggcaagcccc actcaaccac 60
cncanc²gntc ctcgttnnac gctaccctt tctnggtctt ctntacctt tcangtttta 120
aaagtntaaa gatggnagag acattcctat ttacctcaga gtcggtgaac gagggacacc 180
ctgagaagct ctgcgaccaa atctccgatg tgtcctcgac gcttgctcgc agcaggaccc 240
agacagcaaa gttgcctgcg aaacatgcac caaaaccaat tggnnaggtc ttcggagaat 300
caggacaagg ccaaggtgan t 321

<210> 2409
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2409

ngcacgcgta cgtaagctcg gaattcggct cgaggcagac ttaacaacag cacaaagcgg 60

gntactgtct gttcaagcta ccattctctct ctctctttct tagtgcctcc ttgccagaag 120

ttaaaatggc ccaagaaact ttctatttca catctgaatc agtgaacgag gggcaccctg 180

acaagctctg tgaccagatc tccgatgctg tgctcgatnc atgcttggag caaggccctg 240

ac 242

<210> 2410

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2410

catgcacgcg tacgttagct cggaattcgg ctcgaggggt tactgtctgt tcaagctacc 60

atctctctct ctctttctta gtgcctcctt gccagaagta aaatggccca agaaactttc 120

ctattcacat ctgaatcagt gaacgagggg caccctgaca agctctgtga ccagatctcc 180

gatgctgtgc tcgatgcatg cttggagcag gacctgaaag naaggttcct gtnaanttgc 240

acaancccaa tgggggggnt tttgggnagn ncccacagng gggggggggn 289

<210> 2411

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2411

cagtcgcang cacgcgtacg taagctcgga attcggctcg agcaacagca caaagcgggt 60

tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120

aaaatggccc aaganacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac 180

aagctctgtg accagatctc cgatgctgtg ctgatgcat gcttggagca ggaccctga 239

<210> 2412

<211> 249

<212> DNA

<213> Glycine max


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<223>      unsure at all n locations
<400>      2412
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catgcacgcg	tacgtnanct	cggnatctcg	ctcgagcatt	tgggagttag	gttctgcacg	60
ctctgcttcc	agcgagtgtt	ctttcttctg	ttcaacacct	taatttgcac	acgctgcttc	120
ttcagcttga	gaaatggcac	aagaaacctt	tctattcaca	tctgaatctg	taaacgaggg	180
tcaccccgac	aagctgtgcg	accagatctc	tgatgcagtg	ctcgatgcgt	gccttgaaca	240
ggaccctga						249

<210>	2413
<211>	121
<212>	DNA
<213>	Glycine max

<400> 2413

tgtggcaagt	ggactagcca	gaaggtgcat	tgtgcaagtg	tcttatgcca	ttggtgtgcc	60
cgagcctttg	tctgtctttg	ttgacaccta	tggcaccggg	aagatccatg	ataaggagat	120
t						121

<210>	2414
<211>	273
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      2414
```

tctnatgcac	gcgtacgtaa	gctcgggaatt	cggctcggagg	ccatttgggga	gttaggttct	60
gcacgctctg	cttcacagcga	gtgtttctttc	ttcgtttcaa	caccttaatt	tgcacacgct	120
gcttcttcag	cttgagaaat	ggcacaagaa	acctttctat	tcacactgaa	tctgtaaacg	180
agggtcaccc	cgacaagctg	tgcgaccaga	tctctgatgc	agtgctcgat	gcgtgccttg	240
aacaggaccc	tgacagcaag	gttgctctgtg	aga			273

<210>	2415
<211>	314
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      2415
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gcangcacgc gtacgtaagc tcggaattcg gctcgaggca aaggagtgat ttggagtttg 60
gagcgactga actaatcatt aatttgcact cgctgtttca gcttcatcac ccttgctttt 120
gcatcattta tatctcttga gaaatggcac aagaaacctt tctattcaca tctgaatctg 180
taaacnaggg tnaccccgac angcnntncg anccagatct ctgatgcagt acttgatgcg 240
tgccttgaac aggnccctga cngcaagggt ccctgnnaga catgcaccag ggccnaacag 300
ggtaagggnc ttgg 314

<210> 2416
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2416

cgtcgcangc acgcgtacgt nagctcggnn ttcggtctga nctcgagccg aatcggtctg 60
agtgaggcca ggcaagcccc actcaancac cacacttctc ctcnttcacg ctaccccttt 120
actnctcttc ttctaccttt caagttttaa aagtataaag atggcagaga cattcctatt 180
tacctcagag tcggtgaacg agggacaccc tganaagctc tgcgaccana tctccgatgc 240
tgtcctcgac gttgcctcga gcaggaccca gacagcaaag ttgcctgcga aacat 295

<210> 2417
<211> 250
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2417

ggccaggcna gcccactca accaccacac ntctncctcg ttcacgtac ccctttctgn 60
ctcttcttct acctttcatg ttttaaaagt ataaagatgg cagagacatt cctatttacc 120
tcagagtcgg tgaacgaggg acancctgac aagctctgcg accaaatctc cgatgctgtc 180
ctcgacgctt gcncgagcag gacccagaca gcaaagttgc ctgngaaaca tgcnaaaaa 240
accaanttgg 250

<210> 2418
<211> 206

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2418

attaacttgg accttaagag ggggtggcat aggttcctca agacagctgc ttanggacac 60
 tttggaaggg atgatgcaga cttcacctgg gaagttgtga agccactcaa gtcagagaag 120
 cctcaagctt aagagtgttg ttaagttaat cactcccttc agtggatgtc ttgctgggtg 180
 tggatgaata atttgcgtgt ttcatg 206

<210> 2419
 <211> 152
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2419

nttcgcangc acgcgtacgt aagctcggaa ttcnctcga ggaaactttc ctattcacat 60
 ctgaatcagt gaacgagggg caccctgaca agctctgtga ccagatctcc gatgctgtgc 120
 tcgatgcatg cttggannag gaccctgaca gt 152

<210> 2420
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2420

gtctcntgca cgcgtacgta agctcggaat tcgntcagag gtttttgaag tatagagatg 60
 gcagagncat tcctatttac ctcagantcn gtgaacgagg nacncctgn cangtgctg 120
 gtgaccaa at ctctgatgcn gtccctcgacg cttgcctcga acaggacnca nacancangg 180
 ttgcctggng aancatgcac caaaaccaac ttggtccatg gtcttcggag aaatcacgac 240
 caaggccnat gttgactacg agaagatagt gcgtgncacc tgcagagcnt cggctttgtg 300
 ctcaaacgat gtgggatgg 319

<210> 2421
 <211> 262
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2421

gcagacttaa caacagcaca aagcnggtta gtgtctgttc aagctaccat ctctctctct 60
gctttcttag tgcctccttg ccagaagtta aaatggccca agaaactttc ctattcacac 120
ctgaatcagt gnacgagggg caccctgaca agctctgtga ccagatctcc gatgctgtgc 180
tcgatgttgc ttggagcagg accctgacag caaggttgcn ngnaannnct gcaccangac 240
aagnnnggtt ttgttgncag ac 262

<210> 2422

<211> 231

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2422

gttgacgcg tacgtaagct cggaattcgg ctcgaggcag acttaacaac agcacaaaagc 60
gggttactgt ctgttcaagc taccatctct ctctctcttt cttagtgcct ccttgccaga 120
agttaaaatg gcncaagaaa ctttcctatt cacatctgaa tcagtgaacg aggggcaccc 180
tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg a 231

<210> 2423

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2423

ctaattgcacg cgtacgtnag ctcggaattc ggctcgaggt gatttggagt ttggagcgac 60
tgaactaatc attaatttgc actcgctgtt tcagcttcat cacccttctt ttgcatcatt 120
tatatctctt gagaaaatggc acaagaaacc tttctattca catctgaatc tgtaaacgag 180
ggtcaccccg acangctgtn cnaccagatc tctgatgcag tacttgatgc gtgccttgan 240
caggaccc 248

<210> 2424

<211> 322

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2424

 tcgcaggcac gcgtacgtaa gctcgggaatt cggctcgagn cagacttaac aacagcacia 60
 agcgggttac tgtctgttca agctaccatc tctctctctc ctttcttagt gcctccttgc 120
 cagaagttaa aatggcccaa gaaactttcc nattcacatc tgaatcagtg aacgagggggc 180
 accctgaaca agctctgtga ccagatnctc cgatggctgt gctcgatgnc atgcttggag 240
 caggaccctg acagcaaggt tgcctgtgaa acctgcacca ggaccaacat ggtgatgggt 300
 ttcgagagat cacaaccaag gc 322

<210> 2425
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2425

 tcgcangcac ncgtacgtna gctcgggaatt cggctcgagn ngccaggcaa gcccactca 60
 accaccacac ctctcctcgt tcacgctacc cttttctgct cttcttctac ctttcaagtt 120
 ttaaaagtat aaagatggca gagacattcc tatttacctc agagtcggtg aacgagggac 180
 accctgacaa gctctgcgac caaatctccg atgctgtcct cgacgcttgc ctcgagcagg 240
 acccagaaca gcaaagttgc ctgcgaaact ggcaccaaca ccaattggtc atggtcntcg 300
 gagaaatcnc gaccagg 317

<210> 2426
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2426

 angcacgcgt acgtaagctc ggaattcggc tcgagcggct gcgagaagac gacagaaggg 60
 ggcagcgctt gatttgaggc caggcaagcc ccacttcaac caccacacct ctctcgttc 120
 acgctacccc tttctgctct tcttctacct ttcaagtttt aaaagtataa agatggcaga 180

gacattccta tttacctcag agtcggtgaa cgagggacac cctgacaagc tctgcgacca 240
aatctccgat gctgtcctcg acgcttgccct cgagcaggac ccagaca 287

<210> 2427
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2427

cncccnang tcgcatgcac gcgtacgtaa gctcggaatt cggctcgaga cggctgcna 60
gaagacgaca gaagggggca gcgcttgatt tgaggccagg caagccccac tcaaccacca 120
cacctctcct cgttcacgct acccctttct gctcttcttc tacctttcaa gttttaaag 180
tataaagatg gcagagacat tcctatttac ctgagatcg gtgaacgagg gacaccctga 240
caagctctgc gaccaaattct ccgatgctgt cctcgacgct tgcctcgagc aggacccaga 300
cagcaaattg cctgcgaaac atgcaacaaa aacaanttgt canggnc 347

<210> 2428
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2428

gntcangcac gcgtacgtaa gctcggaatt cngctcgagc annagcataa agcggggttac 60
tgtctgttca agctacncat ctctctctct cttncttagt gcctccttnc cagaagttan 120
natggcccaa gaaactttcc tattcacatc tgaatcagtg aancgagggg caccctgaca 180
agctctgtga ccagatctcc gatgctgtgc tcgatgcatg cttggagcag gangngacag 240
canggttgcc tgtgaaacct gcaccaagan caacatggtg atgnnttt 288

<210> 2429
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2429

ctgcacnagt acgttagctc ggcacncggc tccactnaac caccacacct cncctcgtt 60

cacgctaccc ctttctgctc ttnccttctac ctttccaagt tttaaaagtn taaagatggc 120
agagacattc ctatttacct cagagtcggt gaacgagggg caccctgaca agctctgcga 180
ccaaatctcc gatgctgtcc tcgacgcttg cctcgagcag gaccca 226

<210> 2430
<211> 287
<212> DNA
<213> Glycine max

<400> 2430

gcacgcgtac gtaagctcgg aattcggctc gagtacggct cgagaagacg acagaagggg 60
gcagcgcttg atttgaggcc aggcaagccc cactcacacc accacacctc tcctcgttca 120
cgctaccctt ttctgctctt cttctacctt tcaagtttta aaagtataaa gatggcagag 180
acattcctat ttacctcaga gtcggtgaac gagggacacc ctgacaagct ctgcgaccaa 240
atctccgatg ctgtcctcga cgcttgccctc gagcaggacc cagacag 287

<210> 2431
<211> 164
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2431

gcgtangtaa gctcgggaatt cggctcgagg tcatatgttc ggctatgcna ctgacgagac 60
tcccagctc atgcccttga gccatgtcct tgccacgaag ctcggtgcna agctcancga 120
ggttcggan aacggganat gcccttgnt ganncctnnt ggca 164

<210> 2432
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2432

gtcgcangca cgcgtacgta agctcggaat tcggctcgag nccatttggg agttagggttc 60
tgcacgctct gcttccagcg agtggtcttt cttcgtttca acaccttaat ttgcacacgc 120
tgcttcttca gcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa 180

cgaggggtcac cccgacaagc nnncgaccag atngcnnang cagtgcgcga ngngngnct 240
 nnacaggacc cngncagcaa ggcngnctgn nagacangca ncaagaccaa ca 292

<210> 2433
 <211> 97
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2433

ccaagaccaa catggtcatg gtctctggag anctcacaac caaggccacc gtagactang 60
 agaagattgt ccgtgacaca tgccgcgaaa ntggata 97

<210> 2434
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2434

catgcacgcg tacgtaagct cggaattcgg ctcgagtagc gctgcgagaa gacgacagaa 60
 gggggcaccg cttgagcaga cttaacaaca gcacaaagcg gggttactgtc tgttcaagct 120
 accatctctc tctctctttc ntagtgctcc ttgccagaag ttaaaaatgg cccaagaaac 180
 tttcttattc acatctgaat cagtgaacga ggggcacctg acaagctctg tgaccagatc 240
 tccgatgctg tgctcgatgc atgcttggag caggacctga cagcaagggtt gctgtgaaac 300
 ctgcaccaan 310

<210> 2435
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2435

nagtcgcang cacgcgtacg taagctcgga attcggctcg agacggctgc nagaagacga 60
 cagaaggggg cagcgttga tttgaggcca ggcaagcccc actcaaccac cacacctctc 120
 ctogtncacg ctaccccttt ctgctcttct tctacctttc aagttttaaa agtataaaga 180

tggcagagac attcctatitt acctcagagt cggatgaacga gggacaccct gacaagctct 240
 gcgaccaaatt ctccgatgct gtcctncgac gcttgctcg ancaggaccc agacagcaaa 300
 gttgcc 306

<210> 2436
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2436

actncgcatg cagcgcgtacg taagctcgga attcggctcg agttgaggcc aggcaagccc 60
 cactcaacca ccacacctct cctcggttcac gctacccctt tctgctcttc ttctaccttt 120
 caagtttttaa aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg 180
 agggacaccc tgacaagctc tgcgacaaaa tctccgatgc tgtcctcgac gcttgctcg 240
 anggcccaaga cagcaagntt gcctgcgaaa catncnnc 278

<210> 2437
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2437

gcacgcgtac gtaagctcgg aattcggctc gagattttctt cccatccttt cttccttcac 60
 cactttgaac ttgaacttag ttgggggact tggctgagtt agactgtnat gtttaaattg 120
 tagtcatggt ggtgtttttg gctgtgaatt tgctcatatg tgctaattat gtgttcttgt 180
 ttgatgttac tctacagaag ttaaaatggc ccaagaaact ttctattca catctgaatc 240
 agtgaacgag gggcaccctg aacaagctct gtgaccagat ctccgatgct gtgctcgatg 300
 catgcttga gcagg 315

<210> 2438
 <211> 121
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2438

attaacttgg accttaagag ggggtggcat aggttctca agacagctgc tnatggacac 60
 tttggaaggg atgatgcaga cttcacctgg gaagttgtga agccactcaa gtcagagang 120
 c 121

<210> 2439
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2439

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag caggcaagcc ccaactcaacc 60
 accacacctc tctctgttca cgctaccctt ttctgtcttt cttctacctt tcaagtttta 120
 aaagtataaa gatggcagag anattcctat ttacctcaga gtcggtgaac gagggacacc 180
 ctgacaagct ctgcgancca aatctccgat gctgtcctcg acgcttgctt cgagcaggnc 240
 ccagacagcc aaagttgcct gcgaaacang cagcnaaacc aacttggtc 289

<210> 2440
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2440

cntcangnac gcgtacgtaa gctcgggaatt cgggctcgag nttgaggcca ggcaagcccc 60
 actcaaccac cacacctctc ctggttcacg ctaccctttt ctgctctttt tctacctttc 120
 aagtttttaa agtataaaga tggcagagac attcctattt acctcagagt cgggtgaacga 180
 gggacaccct gacaagctct ggggaccaaa tctccgatgc tgtcctcgac gcttgccntn 240
 gagcaggacc cnganagcaa antngcttgg gaaanttgcn caaaaaccat ttgggttnngg 300
 gtntgngnaa 310

<210> 2441
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2441

angcacnggt acgnagctc ggaattcggc tcgagcttaa caacagcaca aagcgggtta 60
ctgtctgttc aagctacat atctctctct ctnttcttag tgcctncctt gccanaagtt 120
aaaatgggcc ntgaaacttt ccnattcaca tntnnatcag tgaacgaggg gcaccccgac 180
aagctctntn atagatcngg gtngncagtg ctagatgnat gnttggagca ngancctnan 240
agcnaggntn cctgtgaaac cnggcacna gaccaacatg gtn 283

<210> 2442

<211> 240

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2442

tgaggccagg caagccccac tcaaccacca canatnantic ctcggttcac gctacccctt 60
tctncctctt cttctacctt tcangtttta anagtataaa gatggcagag acattcctat 120
ttacctcaga gtcggtgaag agggacaccc tgacaagctc tgcgacaaaa tctccgatgc 180
tgtcctcgac gcttgccctg agcaggaccc agacagcaaa gttgntggaa acatgcacca 240

<210> 2443

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2443

tcgcatgcac gcgtacgtaa gctcggaatt cggtcagagg gtttttgaag actgctgcct 60
atggacactt tggaagagaa gaccctgact tcacatggga agtgggtcaaa cccctcaagt 120
gggagaaggc ctaagtaant cattccactg ctctatgctg gaagtttttt gagcgttgcc 180
cttataatat gtctaataat cataactttc cacgtctctt acnctgtgtg tttctctcct 240
cttcctccta ttttgttatt tgtatgttct tttgtaattt ttacgtgatc aactaa 296

<210> 2444

<211> 287

<212> DNA

<213> Glycine max

gtcgcangca	cgcgtacgta	agctcggaat	tcggcctcgag	ngtggccata	ggttcctcaa	60
gacagctgct	tatggacact	ttggaaggga	tgaccctgac	ttcacctggg	aagttgtgaa	120
gccactcaag	tctgagaagc	ctcaagctta	agattgttgt	gaagttaatc	actcccttca	180
atggatgtct	tgctaggtgt	ggatgaataa	tttgcgtggt	ccatgactac	tactacttca	240
ttcataggtc	taatgtcatc	tcatcaatac	ttaaactggt	ttttttt		287

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<223>      unsure at all n locations
<400>      2445
```

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agcagactta acaacagcac aaagcggggtt actgtctgtt caagctacca nnnnnnnnnn    60
nnnnnnntag tgcctccttg ccagaagtta aaatggccca agaaactttc ctattcacat    120
ctgaatcagt gaacgagggg caccctgaca agctctgtga ccagatctcc gatgctgtgc    180
tcgat                                             185

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```
<223>      unsure at all n locations
<400>      2446
```

ngtcnatgca cgcgtacgta agctcggaat tcggctcgag gttnggttct gcacgctctg 60
cttcagcgga gtgttctttc ttcgtttcaa caccttanat ttgcacacgc tgcttcttca 120
gcttgagaaa tggcacaaga aacctttcta ttcacatctg aatctgtaaa cgagggtcac 180
cccgacaagc tgtgcgacca gatctctgat qcaqtgctcg atgcgtg 227

<400> 2447

ccttttcagg gaaggaccct accaagggttg acagaagtgg tgcctatatt gtaaggcagg 60
 ctgcaaagag tgctgtggca aatggccttg ctagaagg 98

<210> 2448
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2448

gtcgngcac gcgtacgtna gctcggaatt nggctcgagc tcgagccgca acagcacaaa 60
 ggggttact gtctgttcaa gctaccatct ctctctcact ttcttngtgc ctccttgcca 120
 gangttanna tggcccaaga aactttccta ttcacatctg aatcagtga cgaggggcac 180
 ncnnnacaag ctctgtgacc agatctccga tgctgtgcta cgatgcatgc ttggagcang 240
 naccctgaca gcnaagttgc ctgtgaaacc tggcaccaag ancaacatgg tgatggtttt 300
 cgga 304

<210> 2449
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2449

gtcgcatgca cgcgtacgta agctcggaat tcggctcgag gtgatttgga gtttgagcgc 60
 actgaactaa tcnttanttt gcactcgctg tttcagcttc atcacccttc ttttgcac 120
 tttatatctc ttgagaaatg gcacaagaaa cctttctatt cacatctgaa tctgtaaacg 180
 agggtcaccc cgacangctg tgcgaccaga tctctgatgc agtacttggn gcgngcctna 240
 aaggncccca ncancaaggt cgcctg 266

<210> 2450
 <211> 159
 <212> DNA
 <213> Glycine max
 <400> 2450

tcggaattcg gctcgagaac agcacaaagc gggttactgt ctgttcaagc taccatctct 60

ctctctcttt cttagtgcct ccttgccaga agttaaagt gcccaagaaa ctttcctatt 120
cacatctgaa tcagtgaacg aggggcaccc tgacaagct 159

<210> 2451
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2451

gtcgcangcn ngcgtnacgn nnagctcggn attcggtcgc agccaagccc cactcaacca 60
ccanaccact ctctctgctc ttcttctacc tttccaagtt tntaaagtat taagntggca 120
gagacantcc nanntanctc agagncngng nangngggnc ancctgnan gcgctncgac 180
naatctncga tgtgtcctcg acgcttgccct tgaacaggac ccagacagca aggttgccctg 240
cgaaacatgc accaaganca attgggtcatg gtcttcggag agatcacca 289

<210> 2452
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2452

gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag ctgcagccgc tccacccaac 60
acgacgagac tgtcaccaat gangaaattg ntgntgacct tcaaanagca tgtgatcaan 120
cctgngatnc cngngaantn nctnatnagn agnncanttt ccnattngaa ccnttaaggc 180
ggtttgcaa tggttggccn nnaggggcna ngctgggtct ccggggncga aaagancctt 240
atncggatat ttagngngna nggggtgccc atgggggtgg tgnttcnccg ggan 294

<210> 2453
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2453

gnngctgcac gcgtacgtna gctcggaatt cggctcgagt aacaacagca caaagcgggt 60

tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt gccagaagtt 120
 aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg gcaccctgac 180
 a 181

<210> 2454
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2454

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 gctctgcttc cagcgagtgt tctttcttcg tttcaacacc ttaatttgca cacgctgctt 120
 cttcagcttg aggaatggca caagaaacct ttctnttcac atctgantct gtanacgang 180
 gtcaccccga caagntgtgc gaaccagatn ctctgatggc agtgctcatg cgtgcgctga 240
 ncaggaccct gacagcaagg ttgcctgn 268

<210> 2455
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2455

cntcgcangc acgcgtacgt gagctcggaa ttcggctcga gcaggcaaan cccacncaac 60
 cgncanangg aaaaaacgaa ngcgcnaccc cattcngctc ntcttcnacc tnnangann 120
 naagagnnta aagatggcag agacattcct atttacctca gactacgggtg aacgagggac 180
 accctgacaa gctctgcgan ccaagtctcc gatgctgtcc tcgncgcttg cctcgagcag 240
 gacccagaca gcaaagttgc gcagcganac atgcancaag ncgnattggn ccatgggtt 298

<210> 2456
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2456

caccancagc aaacaannaa naagtcgcat gcacgcgtac gtaagctcgg aattcngctc 60

gaggggaaga cccaagtac cggtgagtat tacaatgaca atggtgccag ggttcctatt 120
 ccgtgtacac accgtgctaa tttccacaca acat 154

<210> 2457
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2457

cgtcgcangc acgcgtacgt aagctcggna ttcggctcga gcacaaagcg ggttactgtc 60
 tgttcaagct accatctctc tctctctttc ttagtgccctc cttgccagaa gttaaaatgg 120
 cccaagaaac tttcctattc acatctgaat cagtgaacga ggggcaccct gacaagctca 180
 gagaccagaa nancgangcn gngcacgacg caagtccttg agcaggaccc agtacagcaa 240
 ggnnnncagt gnaaccngta ccaagaccaa caggtgatgg tcct 284

<210> 2458
 <211> 213
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2458

gtcncangca cacgtacgta agctcggaat tcnnctcgag ncaagcccca ctcaaccacc 60
 acacctctcc tegtacacgc tacccttttc tgctcttctt ctanctttca agtttttaaaa 120
 gtataaagat ggcagagaca ttcctattta cctcagagtc ggtgaacgag ggacaccctg 180
 acaagctctg cgaccaacan ctccgatgct gtc 213

<210> 2459
 <211> 217
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2459

gtngcatgca cgcgtacgtn agctcggaat tcggctcgag caacagcaca aagcgggtta 60
 ctgtctgttc aagctacnt ctntctctct ctttcttagt gcctccttgc cagaagttaa 120

aatggnccaa gaaactttcc tattcacatc tgnatcagtg ancgangggc accctgacaa 180
gctctgtgac cagatctccg atgctgtgct cgntgca 217

<210> 2460
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2460

ctangcacgc gtacgtnagc tcggaattcg gctcgagcag caaaggagtg atttggagtt 60
tggagcgact gaactaatca ttaatttgca cttcgctgtt tcagcttcat cacccttctt 120
ttgcatcatt tatatctctt gagaaatggc acaagaaacc tttctattca catctgaatc 180
tgtaaacgag ggtcaccccg acangctgtg cgaccagatc tctgangnag nat 233

<210> 2461
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2461

gncgcangca cgcgtacgta agctcggaat tcggctcgag gggcaagccc cactcaacca 60
ccacacctct cctcgttcac gctacccctt tctgctcttc ttctaccttt caagttttta 120
aagtataaag atggcagaga cattcctatt tacctcagag tcggtgaacg agggacaccc 180
tgacaagctc tgcgaccaa tt 202

<210> 2462
<211> 196
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2462

nccnnacgtc gcntgcacgc gtacgtaagc tcggaattcg gctcgaggca gacttaacaa 60
cagcaciaaag cgggttactg tctgttcaag ctaccatnct ctctctctct ttacttagtg 120
cctccttgcc agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga 180
acgaggggca ccctga 196

<210> 2463
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2463

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ttaacaacag cacaaagcgg 60
 gttactgtct gttcaagcta ccatctctct ctctctttct tagtgcctcc ttgccagggtg 120
 ctgccactct ctctttctct ctcttcatcc ttctgttggg ttggttgtgg agtgttgttt 180
 tctgttgtgc acgtgttgtc attttttacc ctgccacag atctgaagtg ttcaagtttg 240
 gattttgtgc ttctggaagt taaaatggcc caagaaactt tcctattcac atctgaatca 300
 gtgaacgagg ggcaccctga caa 323

<210> 2464
 <211> 132
 <212> DNA
 <213> Glycine max

<400> 2464

gcatgcacgc gtacgtaagc tcggaattcg gctcgagcag atggcaagac acaagtaact 60
 gttgagtaac tacaatgaca atggtgccat ggttccagtt cgtgtccaca ctgtcctaata 120
 ttccccacaca ac 132

<210> 2465
 <211> 189
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2465

gggagttagg ttctgcacgc nctgnngcca gcgagtgtgc tntcttcgtg tcaacacctg 60
 aatttgcann acgtgcgnc tgcagcttga gaaatggcac aagaaaccnn gctatncana 120
 tctgaatcgg taaacgaggg tcacnncgac aagctgtggg accagatctc tgatgcagtg 180
 ctcgatgcg 189

<210> 2466
 <211> 138
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2466

 tngcacgcgt acgtaagctc ggnattcggc tcgagggagn ttggtgntgg tgaccaaggt 60
 catatgttcg gctatgccna ctgacgagnn ctcccagact catgcccttg agccatgtnc 120
 cttgccacga agcttcgg 138

<210> 2467
 <211> 341
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2467

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 taacaacagc acaaagcggg ttactgtctg ttcaagctac catctctctc tctctttctt 120
 agtgccctcc ttgccagggt ctgccactct ctctttctct ctcttcatcc ttctgttggg 180
 ttggttgtgg agtgttgttt tctgttgtgc acgtgttgtc attttttacc ctgccacag 240
 atctgaagtg ttcaagtgtt gattttgtgc ttctggaagt taaaatggcc caagaaactt 300
 tcctattcac atctgaatca gtgaacgagg ggcaccctga c 341

<210> 2468
 <211> 273
 <212> DNA
 <213> Glycine max

 <400> 2468

 gtcgcatgca cgcgtacgta agctcggaat tcggctcgag aatgacacca cctaccccct 60
 tctccctata aatggcaact caatgcccc cttagaactc gcagcgcttg atttgaggcc 120
 aggcaagccc cactcaacca ccacacctct cctcgttcac gctacccctt tctgctcttc 180
 ttctaccttt caagttttaa aagtataaag atggcagaga cattcctatt tacctcagag 240
 tcggtgaacg agggacaccc tgacaagctc tgc 273

<210> 2469
 <211> 181
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2469

ggcgcacnca gnnctcggt cgagggccag gcaagcccca ctcaaccacc acacctctcc 60
 tcgttcacgc tacccttttc tgcttttctt ctacctttca agtttttaaaa gtataaagat 120
 ggcagagaca ttctatttta cctcagagtc ggtgaacgag ggacaccctg acaagctctg 180
 c 181

<210> 2470
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2470

gtcgcacgca cgcgtacgta agctcggaat tcggtctgan gnagacttaa cancagnnca 60
 aagcgggtta ctgtctgntc angctaccat ctctcnctct ntttcttagt gcctccntgc 120
 cagnagttnn aatggcccaa gnnactttcn tantcacatc tgantcnntg aacgaggggc 180
 acccngataa gctctgtgan cagatctccg atgctgtgct ccgatgnatg cttggagcng 240
 gnnnctgnca gcnaggntgn ctgtgnaacn tgcacnangn ncancatggt gatggntttc 300
 ggnga 305

<210> 2471
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2471

agtcgangca ncgtacgtaa gctcggaatt cggctcgagg cagacttaac aacagcacia 60
 agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg cctccttgcc 120
 agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga acgaggggca 180
 ccctgacaag ctctgtgat 199

<210> 2472
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2472

cgcatgcacg cgtacgtaag ctcggaattc ggctcgagcc ttgatctcaa gaggggtgga 60
 aatggcaggt tcttgaagac tgctgcatat ggacactttg gcagagatga ccctgacttc 120
 acatgggaag tgggtaagcc actcaagggg gagaaggtag ctgcttaact aaaaggggtt 180
 ccaacactct tggcaaggga cttttgcact actactggct tcttattatc tgattgctaa 240
 aattttctct atgtttcctt ccctentact caattctgtt ttttttttnc ngatattttt 300
 tatgaatttc cccctttttt ttgtgta 327

<210> 2473
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2473

ggggtggaaa tggcagggtc ttgaagactg cngcatatgg acactttggc agagatgacc 60
 ctgacttcac atgggaagtg gtgaagccac tcaaggggga gaaggtagct gcttaactaa 120
 aaggggttcc aacactcttg gcaagggact tttgcactac tactggcttc ttattatctg 180
 attgcnaaaa ttttctctat gnntccttcc ctcttactca attctgtttt tntttttctg 240
 tatttttnat gaattc 256

<210> 2474
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 2474

atggcagggtt cttgaagact gctgcatatg gacactttgg cagagatgac cctgacttca 60
 catgggaagt ggtgaagcca ctcaaggggg agaaggtagc tgcttaacta aaaggggttc 120
 caacactctt ggcaagggac ttttgacta ctactggctt cttattatct gattgctaaa 180

attttctcta tgtttccttc cctcttactc aatc 214

<210> 2475
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 2475

atggcaggtt cttgaagact gctgcatatg gacacttttg cagagatgac cctgacttca 60
 catgggaagt ggtgaagcca ctcaaggggg agaaggtacc tgcttaacta aaaggggttc 120
 caacactctt ggcaagggac ttttgacta ctactggctt ctattatctg attgctaaaa 180
 ttttctctat gtttccttcc ctctta 206

<210> 2476
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2476

cctccncaac agtcgcatgc acgcgtacgt aagtcggaat tcngctcgag ctgctgcata 60
 tggacacttt ggcagagatg accctgactt cacatgggaa gtggtgaagc cacttcaagg 120
 gggagaaggt acctgcttaa ctaaaagggg ttccaacact cttggcaagg gacttttgca 180
 ctactactgg cttcttatta tctgattgct aaaaattttct ctatgtttcc tccctcttac 240
 tcaattctgt tttttttnt ctgtnttttc tnatgaattt cccctttttt tttgggnact 300
 ngnatgtgtt c 311

<210> 2477
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2477

tcgcangcac gcgtacgtaa gctcggaatt cggtcgagg catatggaca ctttggcaga 60
 natgaccctg acttcacatg ggaagtgggtg aagccacttc aagggggaga aggtacctgc 120
 ttaactaaaa ggggttccaa cactcttggc aagggaactt tgactacta ctggcttctt 180

attatctgat tgctanaatt ttctctatgt ttccttccct cttactcaat tctntttttc 240
 nttttctgta tttntttatg aatttccccc ttttnttgn gnacttgta gngtnctnnc 300

<210> 2478
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2478

acgtcgcacg cacgcgtacg taagctcggn attcggctcg agatttcgca tctnctcctt 60
 ctcatcccaa ctccaaaata cacacacacg atggaaacct tcctcttcac ctcagaatct 120
 ncaaacgagg gccaccccga caagatctgt gaccagggtt ctgatgccat cctcgatgct 180
 tgcttgagc aagaccaga gagcaagggt gctgcgaga cctgtacaaa aaccaacatg 240
 gtcattggtct ttggggagat cacaaccaag gccaaaggta actacgagaa t 291

<210> 2479
 <211> 308
 <212> DNA
 <213> Glycine max
 <400> 2479

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcggctgcga gaagacgaca 60
 gaaggggttc ctcttcaatt tcgcatcttc tccttctcat tccaacttcc aaaatacaca 120
 cacacgatgg aaaccttcct cttcacctca gaatctgtaa acgagggcca ccccgacaag 180
 atctgtgacc aggtttctga tgccatctc gatgcttgc tggagcaaga cccagagagc 240
 aaggttgctt gcgagacctg tacaaaaacc aacatggtca tggctcttgg ggagatcaca 300
 accaaggc 308

<210> 2480
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2480

cttctgtttc tggnttcatt ngggtgtttg gacacaattg ctnaattata ctttctgttg 60

attgtgttga cgcnggactg aatgaactaa tggagtctan aggtgggaaa nagaagtcnn 120
 nnnnnnnnnn nnnnnaatca ttgttctacg aagctcccct cggatacagc atnngaagac 180
 gttagaccaa acggtggaat caagaaattc agatctgctg cttactccaa cgtatatntt 240
 cttctgatgc agtgattctg ta 262

<210> 2481
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2481

ggnggtnnnng aatgatttag gtgncctagc caagacanat gacatcgcg t ncacgcntac 60
 gtaagntcgg aattcggctc gagctcgagc cgcaaaaatt cgggaagact agtgactgtg 120
 gttcacctag atcaactcta aagtgtctgga atgaggaaga tgaggaagag tagtttcctt 180
 aagtgtctttt attattctgt ccttgtgaaa ataagtctgg ttttccagat acgttattgt 240
 ttttctttgt tgtctttttt agcttctgtt agagaccatt tgggcattta gacctttatt 300
 gtttctatta ccatttgaac atcgaatgga ttaataaatc actttgtttg cgtgcaaaaa 360
 aaannacana tctttcnana aanaaaaaaaaa annaaaaaana acanaaaaaan aaaaaaaaaan 420

<210> 2482
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2482

tcgcatgcac gcgtacgtaa gctcggaatt cggtcgcagc nggaggatta ggcctccgag 60
 cattgtccaa agaccaattg gacgagattc ttaaaccagc agagtgcact attgtngcat 120
 cactttcaaa tgattatgtt gactcttatg ttctgtcaga gtcaagcctg ttcgtctatc 180
 cttataaaat tatcatcaaa acttgtggga ctaccaaatt gcttctgtcc atccctgtcc 240
 attctcaagt tgggctgatg ctcttgacat agctgtgaaa tctgtga 287

<210> 2483
 <211> 288
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2483

```
acgtcgcang cacgcgtacg taagctcggga attcggctcg agcgaaaaaa gacttgagat 60
atcatttttt gaaaatgggtg tgtttgctga ccccgaggga ttaggcctcc gagcattgtn 120
ccaaagacca attggacgag attcttaaac cagcagagtg cactattgtt gcatcacttt 180
caaatgatta tgttgactct tatgttctgt cagagtcaag cctgttcgtc ttcctataa 240
aattatcatc aaaacttggtg ggactaccaa attgcttctg tccatccc 288
```

<210> 2484

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2484

```
cgctcangca cgcgtacgta agctcgggaat tcggctcgag ntctgatata tctgantttg 60
antttgaccc ntgcggatat tcaatgaatg gnntagaagg gagtgctata tccaccatcc 120
atgtcactcc tgaagatggg ttcagttacg caagttttga agctgttggt tatgacttta 180
atgacatggc tctaggtgaa nttgtggaaa gganttttagc ttgcttttgt ccagcagagt 240
tttctgttgc tttgcacatt gacatgcatg gtgagaaaact aanaaatttc ccttaganat 300
caaagg 306
```

<210> 2485

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2485

```
gtctatgcac gcgtacgtaa gcnncggaat ncggctcgag gtctgatata tctgattttg 60
aatttgaccc ttgcggatat tcaatgaatg gaatagaagg gagtgctata tccaccatcc 120
atgtcactcc tgaagatggg ttcagttacg caagttttga agctgttggt tatgacttta 180
atgacatggc tctaggtgaa cttgtggaaa ggatttttagc tgcttttgtc cagcagagtt 240
ttctgttgct tgcacatgac atgcagnctg agaaantaat aaattcccta gacatcaaag 300
```

gatactactg tggt

314

<210> 2486
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2486

aactccnctc cgntcgnncg tgnnnntngta cagaagtccc ggctcgaccc acacgtcagc 60
tccttcaaac tccatctttc caaatcctct ctttgcgatt gtgttttgat ctgcttccta 120
ctgcgatagt ttctctactg ttacatggcc atggcggttt ccgcaattgg ttttgaaggt 180
ttcgagaaaa ggttggaat atcctttttc cagccgggac tttttgctga ccctgaagga 240
aggggtctaa gggctcttac aaaatcccag ttgggtgaga ttctaacacc agctgcttgc 300
accattgttt ctgcgtcaa aaacgataat gtcgactcct atgttctatc tgagtccagc 360
ctctttgttt atgcctacaa gatcatcatc aaaacctgtg gtactactaa gctattgctt 420
gcaatcccac ccatattgaa gticgctgaa atgctttccc ntaatgttaa gtcngt 476

<210> 2487
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2487

gnngnaaggt tgntagnaa cgggggtana tngaannnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt gcatgactgg 120
cctggataga gagaaagcac aggttttcta caaagaacaa tctgcttcag ctgccatgat 180
gactgttaat tccggcatta gaaaaattct tccagattcc gagatttggt actttgactt 240
tgaaccatgt ggttattcaa tgaactctgt tgaaggcgct gctgtttcta cgattcatgt 300
taccocagaa gatggtttca gttatgcaag cttcgaaact gttggttatg acttcaaagc 360
ggtgaatctg aacgaaatgg gttcaagang gtattggcat gtttcctncc aactgagttt 420
ctgttgacgt caatgtggat ggtgcaagca agtcgtttga ccanacctgc ttctggatgt 480
taagggatac tgnetgaaaa gaggaacccc 510

<210> 2488
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2488

```
gnnnnngnnnn nnntnnnaag taagtnaaan ctctntggaa agcncctacc ggtncggaat 60
tccccgccccg acccacgcgt ccggcttcag ctgccattat gactgttaat tctggcatta 120
gaaaaattct tccagantct gagattttgtg actttgactt tgagccatgt ggttattcaa 180
tgaactctgt tgaagggtgct gctgtttcta ccattcatgt taccacagaa gatggttnca 240
gttatgcaag ctttgagact gttgggnatg acttcaaagt ggtgaatctg aacgaaatgg 300
ttaagagggg attggcatgt tttctcccaa ctgagttctc tgttgagtt catgtggatg 360
gtgcaagcaa gttgtttgat cagacgtgtn ttctggatgt taagggatac tgtcgcaag 420
agaggagccc acgaaaagggn ttgggaatgg gtggnntctc tggctaccaa aaaaantgcc 480
aaagacttgg gaactggggg tcaactagan ccaactctga aangntggaa aagaaggaag 540
atgaagaaag agtagttttt 560
```

<210> 2489
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2489

```
gngnnnnngn nnnnnnnnnn tnnntttngg tggcntanag ccnnnnataa cancatcacg 60
tcgcangcat gannncgnaa ntcggctccg anggttatc aatgaactct gttgaagggtg 120
ctgctgtttc taccattcat gttaccccag aagatggttt cagttatgca agctttgaga 180
ctgttggtta tgacttcaaa gtggtgaatc tgaacgaaat ggttaagagg gtattggcat 240
gttttctccc aactgagttc tctgttgag ttcatgtgga tgggtgcaagc aagttgtttg 300
atcagacgtg ttttctggga tgtaagggga tactgtcgcg aagagaggag ccacgaaggg 360
cttggaatgg gtggtttctc tgtctaccaa aaatttgcca agacttgtga ctgtggttca 420
nctanattaa ctctgaaat gctgggaaag aaggaanatt aaanaanaa aattttcctt 480
```

aagtg

485

<210> 2490
<211> 339
<212> DNA
<213> Glycine max

<400> 2490

gcatgactgg cctggataga gagaaagcac aggttttcta caaagaacaa tctgcttcag 60
ctgccatgat gactgttaat tccggcatta gaaaaattct tccagattcc gagatttggtg 120
actttgactt tgaaccatgt gggtattcaa tgaactctgt tgaaggcgct gctgtttcta 180
cgattcatgt taccacagaa gatggtttca gttatgcaag cttcgaaact gttgggtatg 240
acttcaaagc ggtgaatctg aacgaaatgg ttcagagggg attggcatgt ttcctcccaa 300
ctgagttttc tgttgcatgt catgtggatg gtgcaagca 339

<210> 2491
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2491

gtttcagtta tgcaagcttt gagactgttg ggtatgactt caaagtgggtg aatctgaacg 60
aaatgggttaa gaggggtattg gcatgttttc tcccaactga gttctctgtt gcagttcatg 120
tggatgggtgc aagcaagttg tttgatcaga cgtgttttct ggatgttaag ggatactgtc 180
gcgaagagag gagccacgaa gggcttggaa tgggtgggtc tcttgtctac caaaaatttg 240
ccaagacttg tgactgttgt tcacctagat caactctgaa gtgctggaaa gaggaagatg 300
aagaagagta gttttcttaa gtgtctttat tatgtccttg cgaaaataag tccggttttc 360
cagacagtga ttgtttntct ttggtgnttt ttnccctnta tgtagacca tg 412

<210> 2492
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2492

```

agtgtntntg nnagggggga nnatggtaac actctcgaag actatgacgt cgcattgcacg   60
cgtacgtaag ctcggaattc ggctcgagtg catgcaacca tagttttatt aggatttttt 120
cttctttgtt ttcaattagg tttttttgtt gctctccttc aaactccatc tttccaaatc 180
ctctctttgc gattgtgttt tgatctgctt cctactgcga tagtttctct actgttacat 240
ggccatggcg gtttccgcaa ttggttttga aggtttcgag aaaagggttg aaatatcctt 300
tttccagccg ggactttttg ctgaccctga aggaaggggt ctaagggtc ttacaaaatc 360
ccagttgggt gagattctaa caccagctgc ttgcaccatt gtttcttcgc tcaaaaacga 420
taatgtcgac tcctatgttc tatctgagtc cagcctcttt ggttatgcct acaagatcat 480
catcaaaacc tgnngggacta ctaa                                         504

```

```

<210>      2493
<211>      347
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2493

```

```

tgcaattggt tttgaagggt tcgagaagan gctggaaata tcctttttcc agcngggact   60
ttttgctgac cctgagggaa tgggtttaag agctcttgca nagtcccagt tggatgagat 120
acttacaccg gctgcttgca ccattgtttc atctctcaga aatgatcatg tcgactccta 180
tgttctgtct gagtccagtc tctttgttta tgcctacaag atcatcatca aaacctgtgg 240
tactacaaag ctactgcttg caatcccacc catattgaaa tttgctgaaa tgctttcctc 300
aatgtagatc tgtgnaatac accaggaag ttcanctttn ccggtgt                    347

```

```

<210>      2494
<211>      314
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2494

```

```

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag gccatggcgg tttctgcaat   60
tggttttgaa ggtttcgaga agangctgga aatatccttt ttccagccgg gactttttgc 120
tgaccctgag ggaatgggtt taagagctct tgcaaagtcc cagttggatg agatacttac 180

```

accggctgct tgcaccattg tttcatctcn cagaaatgat catgtcgact cctatgttct 240
gtctgagtc agtctctttg tttatgccta caagatcatc atcaaaacct gtggtactac 300
aaagctactg cttg 314

<210> 2495
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2495

aangcacgcg tacgtaagct cggaattcgg ctcgagaaac aatctgcttc agctgccatt 60
atgactgtta attctggcat tagaaaaatt ctccagatt ctgagatttg tgactttgac 120
tttgagccat gtggttattc aatgaactct gttgaagggtg ctgctgtttc taccattcat 180
gttaccaccag aagatgggtt cagttatgca agctttgaga ctgttgggta tgacttcaaa 240
gtggtgaatc tgaacgaaat ggtaagagg gtattggcat gttttctccc aactgagttc 300
tctgttgacg ttca 314

<210> 2496
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2496

gtacgtanag ctcggaattc ggctcgagtgc cattagaaa aattcttcca gattctgaga 60
tttgtgactt tgactttgag ccatgtggtt attccaatga actctgttga aggtgctgct 120
gtttctacca ttcatgttac ccagaagat ggtttcagtt atgcaagctt tgagactgtt 180
gggtatgact caaagtgggtg aatctgaacg aaatgggttaa gagggatttg gcatgttttc 240
tcccaactga gttctctgtt gcagttcatg tggatgggtgc aagcaagttg tttgatcaga 300
cgtgttttct ggatgttaag 320

<210> 2497
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2497

```
gtngcangca cgcgtacgta agctcgggaat tcggctcgag gccatggcgg tttccgcaat   60
tggttttgaa ggtttcgaga aaagggttga aatatccttt ttccagccgg gactttttgc  120
tgaccctgaa ggaaggggtc taagggtctt tacaaaatcc cagttgggtg agatttctaac  180
accagctgct tgcaccattg tttcttcgct caaaaacgat aatgtcgact cctatgttct   240
atctgagtc agcctctttg tttatgccta caagatcatc atcaaaacct gtg           293
```

<210> 2498
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2498

```
nnntaanang tcgnangcac gcgtacgtaa gctcngaatt cggctcgagc ttcaaagtgg   60
tgaatctgaa cgaaatgggt aagaggggtat tnnctgttt tctcccaact gagttctctg  120
ttgccgttca tgtgnatggg gcaagcaagt tgtttgatca gacgtgtttt ctggatgtta  180
aggggatactg tcgcgaagag aggagccacg aagggtcttg aatgggtggg tctcttgtct  240
accaaaaaatt tgccaagact tgtgactgtg gttcacctag atcaactctg aagtgtctga  300
aagaggaaga tgaagaagag tagttttt           327
```

<210> 2499
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 2499

```
tgtctgagtc cagtctcttt gtttatgcct acaagatcat catcaaaacc tgtggtacta   60
caaagctact gcttgcaatc ccacccatat tgaaatttgc tgaaatgctt tccctcaatg  120
ttagatctgt gaattacacc aggggaagtt tcacttttcc cggtgctcag ccctatcccc  180
atcgcaactt ttctgaggaa gttgctattc ttgatggcta ctttggcaag cttagtgcag  240
gaagcaatgc ttatatTTTT ggtggccaag acaaatcaca gaac           284
```

<210> 2500
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2500

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ntttccgcaa ttggttttga 60
 aggttttcgag aaaagggttg aaatatcctt tttccagccg ggactttttg ctgaccctga 120
 aggaagggggt ctaagggtc ttacaaaatc ccagttgggt gagattctaa caccagctgc 180
 ttgcaccatt gtntcttcgc tcaaaaacga taatgtcgac tcctatgttc tatctgagtc 240
 cagcctcttt gtttatgcct acaagatcat catcaaaacc tgtggtacta ctaagctat 299

<210> 2501
 <211> 256
 <212> DNA
 <213> Glycine max

<400> 2501

aattggtttt gaaggtttcg agaaaagggt ggaaatatcc tttttccagc cgggactttt 60
 tgctgaccct gaaggaagg gtctaagggtc tcttacaaaa tcccagttgg gtgagattct 120
 aacaccagct gcttgacca ttgtttcttc gctcaaaaac gataatgtcg actcctatgt 180
 tctatctgag tccagcctct ttgtttatgc ctacaagatc atcatcaaaa cctgtggtac 240
 tactaagcta ttgctt 256

<210> 2502
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2502

ntcgcattgca cgcgtacgta agctcggaat tcggctcgag tngcgggtttc cgcaattgggt 60
 tttgaagggt tcgagaaaag gttggaaata tcctttttcc agccgggact ttttgctgac 120
 cctgaaggaa ggggtctaag ggctcttaca aaatccaggt tgggtgagat tctaaccacca 180
 gctgcttgca ccattgtttc ttgctcaaaa aacgataatg tcgactccta tgttctatct 240
 gagtccagcc tctttgttta tgcttacaag atcatcatca aaacctgtgg taactactaa 300

gctattgctt gcaat

315

<210> 2503

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2503

cangcacgcg tacgtaagct cggaattcgg ctcgagggtta attctggcat tagaaaaatt 60

cttccagatt ctgagatttg tgactttgac tttgagccat gtggttattc aatgaactct 120

gttgaagggtg ctgctgtttc taccattcat gttaccccag aagatgggtt cagttatgaa 180

gctttgagac tggtgggtat gacttcaaag tgggtgaatct gaacgaaatg gttaagaggg 240

tattggcatg ttttctccca actgagttct ctgttgcaat tcatgtggat ggtgcaagca 300

agtngtttga tc 312

<210> 2504

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2504

ccacgcgtcc gccagattga tagttcattg catgcaacca tagttttatt aggttttttc 60

ttctttgnnt tcaattaggt ttttgctgct ctctttcaaa ctccgtcttt ccgaatcctc 120

tctttgtgat tgtgttctgt tctgcttcct accgcgatag tttctcttct gaagcatggc 180

catggcggtt tctgcaattg gttttgaagg tttcgagaag aggctggaaa tatccttttt 240

ccagccggga ctttttgctg accctgaggg aatgggttta agagctcttg caaagtccca 300

gttgatgag atacttacac cggtgcttg caccattggt tcatctctca gaaatgatca 360

tgctgactcc tatggtctgg ctgaagtcca gtctctttgg ttatgcctac aagatcatta 420

tcaaaacctg ggttactaca 440

<210> 2505

<211> 287

<212> DNA

<213> Glycine max

<400> 2505

gtcgcacatgca cgcgtacgta agctcgggaat tcggctcgag ggcgggtttcc gcaattgggtt 60
ttgaagggttt cgagaaaagg ttggaaatat cttttttcca gccgggactt tttgctgacc 120
ctgaaggaag gggctctaagg gctcttataa aatcccagtt ggggtgagatt ctaacaccag 180
ctgcttgacac cattgtttct tcgctcaaaa acgataatgt cgactcctat gttctatctg 240
agtccagcct ctttgtttat gcctacaaga tcatcatcaa aacctgt 287

<210> 2506

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2506

nngcatgcac ncgtacgtaa gctcgggaatt cggctcgagg ctgtttctac gnttcatgtt 60
accccagaag atggtttcag ttatgcaagc ttcgaaactg ttggttatga cttcaaagcg 120
gtgaatctga acgaaatngt tcagagggtta ttggcatgtt tcctcccaac tgagttttct 180
gttgacgttc atgtggatgg tgcaagcaag tcgtttgagc agacctgctt tctggatgtt 240
aagggatact gtcgtgaaga gaggagccac gaagggcttg gaatgggtgg ttctgttg 298

<210> 2507

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2507

ccacgcgtcc gcttgatggc tactttggca aacttggtgc aggaagcaat gcttatattt 60
tgggtggcca anacnaagca cagaactggc atgtctactc tgcttctgca gattctgtaa 120
ctcaatgtga caatgtttac actcttgaga tgtgcatgac tggcctggat agagagaaaag 180
cacagggttt ctacaaagaa caatctgctt cagctgccat gatgactgnt aattccggca 240
ttagaaaaat tcttccaaat tcccagaatt gngactttgn ntttgaacca tgtggntatt 300
caatgaactn tgnttgaaag gcncttgtgg ttctacgatt catggtancc ccagaagatg 360
ggtcannat tgcaagcttt gnaaactntt gggatatgact ttaaagccgg ngaatntgaa 420

cccaaaaaggn ttaaanggat ttggcatggt tcctccaact taantttctg tncaantcat 480
 tggggaangt gcaagcaagn ntttt 505

<210> 2508
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2508

gtcgcgatgca cgcgtacgta agctcggaaat tcggctcgag ctttgaacca tgtggttatt 60
 caatgaactc tgttgaaggc gctgntgttt ctacgattca tgttacccca gaagatgggt 120
 tcagttatgc aagcttcgaa actgttgggt atgacttcaa agcgggtgaat ctgaacgaaa 180
 tgggttcagag ggtattggca tgtttcctcc caactgagtt ttctgttgca gttcatgtgg 240
 atggtgcaag caagtcgttt gagcagacct gctttctgga tgtaaggga tact 294

<210> 2509
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2509

agtcgcnnngc acgcgtacgt aagctcggaa ttcggctcga ggttttctac aaagaacaat 60
 ctgcttcagc tgccattatg actgttaatt ctggcattag aaaaattctt ccagattctg 120
 agatttgtga ctttgacttt gagccatgtg gttattcaat gaactctgtt gaagggtgctg 180
 ctgtttctac cattcatgtt accccagaag atggtttcag ttatgcaagc tttgagactg 240
 ttgggtatga cttcaaagtg gtgaatctga acgaaatggg taagagggtg ttggca 296

<210> 2510
 <211> 254
 <212> DNA
 <213> Glycine max
 <400> 2510

ggactttttg ctgaccctga aggaaggggt ctaagggtc ttacaaaatc ccagttgggt 60
 gagattctaa caccagctgc ttgcaccatt gtttcttcgc tcaaaaacga taatgtcgac 120

tcctatgttc tatctgagtc cagcctcttt gtttatgcct acaagatcat catcaaaacc 180
 tgttggtacta ctaagctatt gcttgcaatc ccacccatat tgaagttcgc tgaaatgctt 240
 tcccttaatg ttaa 254

<210> 2511
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 2511

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgaga ggcgctgctg tttctacgat 60
 tcatgttacc ccagaagatg gtttcagtta tgcaagcttc gaaactgttg gttatgactt 120
 caaagcgggtg aatctgaacg aaatgggtca gaggggtattg gcatgtttcc tcccaactga 180
 gttttctgtt gcagttcatg tggatgggtgc aagcaagtcg tttgagcaga cctgctttct 240
 ggatgttaag ggatactgtc gtgaagagag gagccacgaa gggcttggaa tgggtgggtt 299

<210> 2512
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 2512

gtcgactcct atgttctatc tgagtccagc ctctttgttt atgcctacaa gatcatcatc 60
 aaaacctgtg gtactactaa gctattgctt gcaatccacc catattgaag ttcgctgaaa 120
 tgctttccct taatgttaag tctgtgaatt acaccagggg aagtttcatt ttccccagtg 180
 ctcagccata tccccatcgc aacttttctg aggaagttgc tattcttgat ggctactttg 240
 gcaaacttgg tgcagga 257

<210> 2513
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2513

gtcgngcac gcgtacgtaa gctcggaatt cggctcgagc tcgagccgct cctatgttct 60

atctgagtcc agcctctttg tttatnccta caagatcatc anccaaaacc tgtggtacta 120
ctaagctatt gcttgcaatc ccacccatat tgaagttcgc tgaaatgctt tcccttaatg 180
ttaagtctgt gaattacacc aggggaagtt tcattttccc cagtgtcag ccataatcccc 240
atcgcaactt ttctgaggaa gttgctattc ttgatggcta ctttggcaaa cttggtgcag 300
gaagcaatgc 310

<210> 2514
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2514

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc agagggtatt ggcattgttc 60
ctcccaactg agttttctgt tgcagttcat gtggatgggtg caagcaagtc gtttgagcag 120
acctgctttc tggatgttaa gggatactgt cgtgaagaga ggagccacga agggcttgga 180
atgggtgggt ctgttgtcta ccaaaaattc gggaagacta gtgactgtgg ttcacctaga 240
tcaactctaa agtgctggaa tgaggaagat gaggaagagt agtttcctta agtgtcttta 300
ttattctgtc cttgtgaaaa ta 322

<210> 2515
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2515

aannnngaan cgcangcncg cgnacgtnan ctcggaattn ngctcnaggt ctaaggntc 60
ttacaaaatc ccagttgggt gagattctna caccagctgc ttgcaccatt gtttcttcgc 120
tcaaaaacga taatgtcgac tcctntgttc tatctgantc cagcctcttt gtntatgcct 180
acnagatcat catcaaaacc tgtggtacta ctaagctatt gcttgcnatc ccacccatat 240
tgaagttngc tganatgctt tcccttaatg ttaagtctgt gaattacacc aggggaagtt 300
tcattttccc cagt 314

<210> 2516

<211> 283
 <212> DNA
 <213> Glycine max

<400> 2516

gatgcacgcg tacgtaagct cggaattcgg ctcgagggtga ctttgacttt gagccatgtg 60
 gttattcaat gaactctggt gaagggtgctg ctgtttctac cattcatggt accccagaag 120
 atggtttcag ttatgcaagc ttgagactg ttgggtatga cttcaaagtg gtgaatctga 180
 acgaaatggg taagagggga ttggcatggt ttctcccaac tgagttctct gttgcagttc 240
 atgtggatgg tgcaagcaag ttgtttgatc agacgtgttt tct 283

<210> 2517
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 2517

gtccagcctc tttgtttatg cctacaagat catcatcaaa acctgtggta ctactaagct 60
 attgcttgca atcccaccca tattgaagtt cgctgaaatg ctttccctta atgttaagtc 120
 tgtgaattac accaggggaa gtttcatttt cccagtgct cagccatatc cccatcgcaa 180
 cttttctgag gaagttgcta ttcttgatgg ctactttggc aaacttggtg caggaagcaa 240
 tgcttat 247

<210> 2518
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2518

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gccatatccc catcgcaact 60
 tttctgagga agttgctatt cttgatggct actttggcaa acttgggtgca ggaagcaatg 120
 cttataat tttt ggggtggccaa gacaaagcac agaactggca tgtctactct gtttctgcag 180
 attctgtaac tcaatgtgac aatgtttaca ctcttgagat gtgcatgact ggcctggata 240
 gagagaaagc acagggttttc tacaaagaac aatctgcttc agctgccatg atgactgtta 300
 attccggcat tagaaaaatt cttccagatt ccgaga 336

<210> 2519
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 2519

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agtcctatgc acgcgtacgt aagctcggaa ttcggctcga gatcaaaacc tgtggtacta 60
ctaagctatt gcttgcaatc ccacccatat tgaagttcgc tgaaatgctt tcccttaatg 120
ttaagtctgt gaattacacc aggggaagtt tcattttccc cagtgtcag ccatatcccc 180
atcgcaactt ttctgaggaa gttgctattc ttgatggcta ctttggcaaa cttggtgcag 240
gaagcaatgc ttatatTTTtTg ggtggccaag acaaagcaca gaactggcat gtctactctg 300
cttctg 306
```

<210> 2520
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 2520

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catgtcgact cctatgttct gtctgagtcc agtctctttg tttatgccta caagatcatc 60
atcaaaacct gtggtactac aaagctactg cttgcaatcc caccatatt gaaatttgct 120
gaaatgtttc cctcaatgtt agatctgtga attacaccag gggaagtttc atctttcccg 180
gtgctcagcc ctatccccat cgcaactttt ctgaggaagt tgctattctt gatggctact 240
ttggcaa 247
```

<210> 2521
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2521

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gtcncatgca cgcccaacgt aagctcggaa ttcggctcga ggtttacact cttgagatgt 60
gcatgactgg cctggataga gagaaagcac aggttttcta caaagaacaa tctgcttcag 120
ctgccatgat gactgttaat tccggcatta gaaaaattct tccagattcc gagatttgtg 180
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actttgactt tgnaccatgt ggttattcaa tgaactctgt tgaaggcgct gctgtttcta 240
cgattcatgt taccacagaa gatggtttca gttatgcaag ct 282

<210> 2522
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2522

gcatgcacgc gtacgtaagc tcggaattcg gctcgagnaa aacctgtggt actactaagc 60
tattgcttgc aatcccaccc atattgaagt tcgctgaaat gctttccctt aatgttaagt 120
ctgtgaatta caccagggga agtttcattt tccccagtgc tcagccatat ccccatcgca 180
acttttntga ggaagttgct attccttgatg gctactttgg caaacttggt gcaggaagca 240
atgcttatat tttgggtggc caagacaaaag cacagaactg gcatgtctac tctgcttctg 300
cagat 305

<210> 2523
<211> 287
<212> DNA
<213> Glycine max

<400> 2523

cgtatgcacg cgtacgtaag ctcggaattc ggctcgagct cttctgaagc atggccatgg 60
cggtttctgc aattggtttt gaaggtttcg agaagaggct ggaaatatcc tttttccagc 120
cgggactttt tgctgaccct gagggaatgg gtttaagagc tcttgcaaag tcccagttgg 180
atgagatact tacaccggct gcttgcacca ttgtttcatc tctcagaaat gatcatgtcg 240
actcctatgt tctgtctgag tccagtctct tgtttatgcc tacaaga 287

<210> 2524
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2524

tcgcangcac gcgtacgtna gctcggaatt cggctcgagg gcattagaaa aattcttcca 60

gattctgaga tttgtgactt tgactttgag ccatgtgggtt attcaatgaa ctctgttgaa 120
 ggtgctgctg tttctacat tcatgttacc ccagaagatg gtttcagtta tgcaagcttt 180
 gagactgttg gncatgactt caaagtgggtg aatctgaacg aaatgggttaa gaggggtattg 240
 gcatgttttc tcccaactga gttcgtgttg cagttc 276

<210> 2525
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2525

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag cccaactgag ttctctgttg 60
 cagttcatgt ggatgggtgca agcnagtgtt ttgatcagac gtgttttctg gatgttaagg 120
 gatactgtcg cgaagagagg agccacgaag ggcttggaat ggggtggttct cttgtctacc 180
 aaaaatttgc caagacttgt gactgtgggtt cacctagatc aactctgaag tgntggaaag 240
 aggaagatga agaagagtag ttttcttaag tgtctttatt atgtccttgc gaaaataagt 300
 cc 302

<210> 2526
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2526

cangcacgcg tacgtaagct cggaattcgg ctcgagaaaa cgataatgtc gactcctatg 60
 ttctatctga gtccagcctc tttgtttatg cctacaagat catcatcaaa acctgtggta 120
 ctactaagct attgcttgca atcccaccca tattgaagtt cgctgaaatg ctttccctta 180
 atgttaagtc tgtgaattac accaggggaa gtttcatttt cccagtgct cagccatatc 240
 cccatcgcaa cttttctgag gaagttgcta ttct 274

<210> 2527
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2527

ctgcaattgg ttttgaaggt ttcgagaagn ngctggaaat atccttttttc cagccggggac 60
 tttttgctga ccctgagggga atgggttttaa gagctcttgc aaagtcccag ttggatgaga 120
 tacttacacc ggctgcttgc accatangtt tcatctctca gaaatgatca tgtcgactcc 180
 tatgttctgt ctgagtnacag tctctttgtt tatgcctaca agatcatcat caaaacctgt 240
 ggtatacaaaa gctactgttg cant 264

<210> 2528
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2528

ntgcacgcgt acgtaagctc ggaattcggc tcgaggctac tgcttgcaat cccacccata 60
 ttgaaatttg ctgaaatgct ttcctcaat gttagatctg tgaattacac caggggaagt 120
 ttcacttttc ccggtgctca gccctatccc catcgcaact tttctgagga agttgctatt 180
 cttgatggct actttggcaa gcttagtgca ggaagcaatg cttatatattt ggggtggccaa 240
 gacaaatcac agaactggca tgtctactct gcttctgcag attctgtaa 289

<210> 2529
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2529

tcnnangcac gcgtacgtna gctcggaatt cggctcgagg cttgcaatcc cacccatatt 60
 gaagttcgct gaaatgcttt cccttaatgt taagtctgtg aattacacca ggggaagttt 120
 cattttcccc agtgctcagc catatcccca tcgcaacttt tctgaggaag ttgctattct 180
 tgatggctac tttggcaaac ttggtgcagg aagcaatgct tatattttgg gtggccaaga 240
 caaagcacag aactggcatg tctactctgc ttctgcagat tctgtaactc aatgtgacaa 300
 tgtttacatc t 311

<210> 2530
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2530

ttntangcac gcgtacgtna gctcgggaatt cggctcgagc aggaagcaat gcttatatnt 60
 tgggtggcca agacaaatca cagaactggc atgtctactc tgcttctgca gattctgtaa 120
 ctccatgcga caatgtttac actctagaga tgtgcatgac tggcctggat agagagaaaag 180
 cacaggtttt ctacaaagaa caatctgctt cagctgccat tatgactgtt aattctggca 240
 ttagaaaaat tcttccagat tctgagattt gtgactttga ctttgagcca tgtgggttatt 300
 caatgaac 308

<210> 2531
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2531

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc aaagcacaga actggcatgt 60
 ctactctgct tctgcagatt ctgtaactca atgtgacaat gtttactc ttgagatgtg 120
 catgactggc ctggatagag agaaagcaca ggttttctac aaagaacaat ctgcttcagc 180
 tgccatgatg actgttaatt ccggcattag aaaaattctt ccagattccg agatttgtga 240
 ctttgacttt gaaccatgtg gttattcaat gaactctgtt gaaggcgctg ct 292

<210> 2532
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2532

cnaangcacg cgtacgtaag ctcggaattc ggctcgaggc agattctgta actcaatgtg 60
 acaatgttta cactcttgag atgtgcatga ctggcctgga tagagagaaa gcacaggttt 120
 tctacaaaga acaatctgct tcagctgccca tgatgactgt taattccggc attagaaaaa 180

ttcttccaga ttccgagatt tgtgactttg actttgaacc atgtggttat tcaatgaact 240
 ctgttgaagg cgctgctgtt tctacgattc atgttactcc agaag 285

<210> 2533
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2533

gatgcagcgt acgt nagctc ggaattcggc tcgagaatcc tctctttgcg attgtgtttt 60
 gatctgcttc ctactgcat agtttctcta ctgttacatg gccatggcgg tttccgcaat 120
 tggttttgaa ggtttcgaga aaagggttga aatatccttt ttccagccgg gactttttgc 180
 tgaccctgaa ggaaggggtc taagggtctt taaaaatcc cagttgggtg agatctaaca 240
 ccagctgctt gcaccattgt ttcttcgctc aaaaaacgat aatgtcgact cctatgttct 300
 atctgagtcc agcctctttg tttatg 326

<210> 2534
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2534

ccacgcgtcc ggatagttcg ttgcatgcaa ccatagtttt attaggattt tttcttcttt 60
 gntttcaatt aggttgtttt gntgctctcc ttcaaactcc atctttccaa atcctctctt 120
 tgcgattgng ttttgatctg ctctctactg cgatagnntc tctactgnta catggccatg 180
 gcggtttccg caattggttt tgaaggnttc gagaaaaggn tggaaatatc ctttttccaa 240
 ccgggacttt ttgctgacct tgaaagaagg ggtctaaang gctnttacia aatccaagtg 300
 ggtgagattc taacaccagc tgnttgnacc attggttctt ngctnaaaaa cgatnatgnc 360
 cacttctatg gtctatctna gttcangctt tttgggtatg cctaccaaga tcattattna 420
 aaactnnggg accacctaac tattgggttn aatccccent atttgaaatt gcttnaanng 480
 ctttccctta aggttaaaact gg 502

<210> 2535

<211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2535

nangtcgcan gcacgcgtac gtaagctcgg aattcggctc gaggctactg cttgcaatcc 60
 caccatatt gaaatttgct gaaatgcttt ccctcaatgt tagatctgtg aattacacca 120
 ggggaagttt catctttccc ggtgctcagc cctatcncca tcgcaacttt tctgaggaag 180
 ttgctattct tgatggctac tttggcaagc ttagtgaggc aagcaatgct tatattttgg 240
 gtggccaaga caaatcacag aactggcatg tctactctgc ttctgcagat t 291

<210> 2536
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2536

gcangcacgc gtacgtaagc tcgggaattc ggctcgagng ccaagacaaa gcacagaact 60
 gggcatgtct actctgcttc tgcagattct gtaactcaat gtgacaatgt ttacactctt 120
 gagatgtgca tgactggcct ggatagagag aaagcacagg ttttctacaa agaacaatct 180
 gcttcagctg ccatgatgac tggttaattcc ggcattagaa aaattcttcc agattccgag 240
 atttgtgact ttgactttga accatgtggt tattcaatga actctgttga aggcgctgct 300
 gtttctac 308

<210> 2537
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2537

acgtcgcang cacgcgtacg taagctcng aattcggctc gagggcaagc ttagtgaggc 60
 aagcaatgct tatattttgg gtggccaaga caaatcacag aactggcatg tctactctgc 120
 ttctgcagat tctgtaactc catgcgacaa tgtttacact ctagagatgt gcatgactgg 180
 cctggataga gagaaagcac aggttttcta caaagaacaa tctgcttcag ctgccattat 240

gactgttaat tctggcatta gaaaaattct tccagattct gagatttggtg actttgactt 300
 tgagccat 308

<210> 2538
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 2538

gtcgcgatgca cgcgtacgta agctcgggaat tcggctcgag gtactacaaa gctactgctt 60
 gcaatccac ccattattgaa atttgctgaa atgctttccc tcaatgttag atctgtgaat 120
 tacaccaggg gaagtttcat ctttcccggg gtcagccct atccccatcg caacttttct 180
 gaggaagttg ctattcttga tggctacttt ggcaagctta gtgcaggaag caatgcttat 240
 attttgggtg gccaaagacaa atcacagaac tggcatgtct a 281

<210> 2539
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2539

antcgcgatgc acgcgtacgt nagctcggaa ttcggctcga gattctggca ttagaaaaat 60
 tcttccagat tctgagattt gtgactttga ctttgagcca tgtggttatt caatgaactc 120
 tgttgaaggt gctgctgttt ctaccattca tgttacccca gaagatgggt tcagttatgc 180
 aagctttgag actgttgggt atgacttcaa agtgggtgaat ctgaacgaaa tggtaagag 240
 ggtatgggca gttttcttcc caatgagttc tctgttgagc ttcagtggga ggtgcaaca 299

<210> 2540
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2540

ntgnncgcgt acgttagctc ggaattnggc tcgagctcga gccgttcgag aagaggctgg 60
 aaatatcctt tttccagcng gnactttttg ctgaccctga ggncatgggt tnangagntc 120

ttgcaaagtc ccagttggat gagatantta nacncgctgc ttgcaccatt gtttcatctc 180
tcagaaatga tcatgncgan tcctatgtnc tgtctgagtc cagtntcttn gtntatgcct 240
acaagatcat catcaaaaacc tgnngtacta caaagctact gctt 284

<210> 2541
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2541

gcgtacgtaa gctcgggaatt cggtcgcagn ttaggttttt ttgttgctct ctttcaaact 60
ccatctttcc aaatcctctc tttgcgattg tgttttgatc tgcttcctac tgcgatagtt 120
tctctactgt tacatggcca tggcggtttc cgcaattggt tttgaagggt tcgagaaaag 180
gttggaata tcctttttcc agccgggact ttttgctgac cctgaaggaa ggggtctaag 240
ggctcttaca aaatcccagt tgggtgagat tctaacacca gctgcttgca ccatgtt 297

<210> 2542
<211> 298
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2542

tcgnngcacg cgtacgtaag ctcggaattc ggctcgaggg ccaagacaaa tcacagaact 60
ggcatgtcta ctctgcttct gcagattctg taactccatg cgacaatgtt tacactctag 120
agatgtgcat gactggcctg gatagagaga aagcacaggt tttctacaaa gaacaatctg 180
cttcagctgc cattatgact gttaattctg gcattagaaa aattcttcca gattctgaga 240
tttgtgactt tgacttgagc catgtgggta ttcaatgaac tctgttgaag gtgctgct 298

<210> 2543
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2543

ttcttgatat ccatccagat tgatagttca ttgcatgcaa ccatagtttt attaggtttt 60
 ttcttctttg ttttcaatta ggtttttgct gctctccttc aaactccgtc tttccgaatc 120
 ctctctttgt gattgtgttc tgttctgctt cctaccgcga tagtttctct tctgaagcat 180
 ggccatggcg gtttctgcaa ttggttttga aggtttcgag aagaggctgg aaatatcctt 240
 tttccagccg ggactttttg ctgaccctga gggaatgggt ttaagagctc ttgcaaagtc 300
 ccagttggat gagatactta caccggctgc ttgcaccatt ggttcatctc tcagaaatga 360
 tcatgtcgac ttctaaggtc tggctgaanc 390

<210> 2544
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2544

nncngcacgc nnacgtaagc tcggaattcg gctcgagggg aagtttcatt ttccccagtg 60
 ctcagccata tccccatcgc aacttttctg aggaagttgc tattcttgat ggctactttg 120
 gcaaacttgg tgcaggaagc aatgcttata ttttggttgg ccaagacaaa gcacagaact 180
 ggcatgtcta ctctgcttct gcagattctg taactcaatg tgacaatgtt tacactcttg 240
 agatgtgcat gactggcctg gatagagaga aagcacaggt tttc 284

<210> 2545
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2545

gtcgcnnngca cgcgtacgta agctcggaat tcggctcgag ctcagccata tccccatcgc 60
 aacttttctg aggaagttgc tattcttgat ggctactttg gcaaacttgg tgcaggaagc 120
 aatgcttata ttttggttgg ccaagacaaa gcacagaact ggcatgtnta ctctgcttct 180
 gcagattctg taactcaatg tgacaatgtt tacactcttg agatgtgcat gactggcctg 240
 gatagagaga aagcacaggt tttctacaaa gaacaatctg cttcagctgc catga 295

<210> 2546

<211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2546

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gtgctcagcc atatcccat 60
 cgcaactttt ctgaggaagt tgctattctt gatggctact ttggcaaact tggcgcagga 120
 agcaatgctt atattttggg tggccaagac aaagcacaga actggcatgt ctactctgct 180
 tctgcagatt ctgtaactca atgtgacaat gtttacactc ttgagatgtg catgactggc 240
 ctggatagag agaaagcaca ggttttctac aaagaacaat ctgcttcagc tggccatgat 300
 gactgttaat 310

<210> 2547
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2547

cacttaaaant cgatgcacgc gtacgtaagc tcggaattcg gctcgagctt gcaccattgt 60
 ttcatctctc agaaatgatc atgtcgacnc ctatgttctg tctgagtcca gtctctttgt 120
 ttatggctta caagatcatc atcaaaacct gtggactac aaagctactg cttgcaatcc 180
 caccatatt gaaatttgct gaaatgcttt ccctcaatgt taatctgtga attacaccag 240
 gggaagtttc atctttcccg gtgctcagcc ctatcccat cgcaactttt ctgaggaagt 300
 tgctattctt gatggctatt tggcaagctt agtgcaggaa gcaagcttat atttgggtgg 360
 ccagacaaat caca 374

<210> 2548
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2548

nnntannccc canacgtcgc angcacgcnt acgtnagctc ggaattcggc tcgagntctt 60
 ctttgttttc aatnagggtt tttgttgct ctcttcaaa ctccatcttt ccaaatectc 120

tctttgcgat tgtgttttga tctgcttctt actgcgatag tttctctact gttacatggc 180
catggcgggt tccgcaattg gttttgaagg tttcgagaaa aggttggaat tacccttttt 240
ccagccggga ctttttgctg accctgaagg aaggggtcta agggctctta caaaatccca 300
gttggtgag attctaacac cagctgcttg caccattggt tct 343

<210> 2549
<211> 292
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2549

nnnnnggcng acgtcgang cagcggtacg taagctcgga attcggtcgc agcttacacc 60
ggctgcttgc accattgtnt catctctcag aaatgaacat gtcgactcct atgtgctgtc 120
tgagtncagt ctctntgttt atgcctacaa gatcatcatc aaaacctgtg gtactanaaa 180
gctactgctt gcaatcccan ccatattgan atntgctgna atgctttccc ncaatgtnag 240
atctngaat tacaccaggg gaagtttctt cttncccggt gtcagccct at 292

<210> 2550
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2550

ngtcgcatgc acgcntacgt aagcncggga attcggtcgc agcaaaatcc cagttgggtg 60
agattctaac accagctgct tgcaccattg tntcttcgct caaaaacgat aatgtcgact 120
cctatgtnt atctgagtcc agcctctttg tttatgccta caagatcatn atcaaaacct 180
gtggtactac taagctattg cttgcaatcc caccatatt gaagttcgct gaaatgcttt 240
ccctaattgt aagtctgtga attacaccag gggaagtttc atttccccgt gtcagccat 300

<210> 2551
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 2551

nngtcgcatg cacgcgtacg taagctcgga attcggctcg aggttcatgt ggatggtgca 60
agcaagtcgt ttgagcagac ctgctttctg gatgttaagg gatactgtcg tgaagagagg 120
agccacgaag ggcttggaat ggggtggttct gttgtctacc aaaaattcgg gaagactagt 180
gactgtgggtt cacctagatc aactctaaag tgctggaatg aggaagatga ggaagagtag 240
tttccttaag tgtcttttatt attctgtcct gtgaaaataa gtctgggttt c 291

<210> 2552

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2552

acgtcgcang cacgcgtacg taagctcgga attcggctcg agtccaaatc ctctctttgc 60
gatttgtgttt tgatctgctt cctactggcg atagtttctc tactgttaca tggccatggc 120
ggtttccgca attgggttttg aagggtttcga gaaaagggttg gaaatatcct ttttccagcc 180
gggacttttt gctgaccctg aaggaagggg tctaagggct cttacaaaat cccagttggg 240
tgagattcta acaccagctg cttgcaccat tgtttcttcg ctcaaaaacg ataa 294

<210> 2553

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2553

nangnacgg tncgtnacgt cacgtatanc tcggcattcg gctcgagctt tgttttcaat 60
taggtttttt tgttgctctc cttcaaactc catctttcca aatcctctct ttgcgattgt 120
gttttgatct gcttctact gcgatagttt ctctactggt acatggccat ggcgggtttcc 180
gcaattgggt ttgaagggtt cgagaaaagg ttggaaatat cttttttcca gccgggactt 240
tttgctgacc ctgaaggaag ggggtctaagg gctcttacia aatcccagtt gggtgaga 298

<210> 2554

<211> 274

<212> DNA

<213> Glycine max

<400> 2554

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acgcgtacgt aagctcggaa ttcggctcga gggtgcaagc aagtcgtttg agcagacctg 60
ctttctggat gttaagggat actgtcgtga agagaggagc cacgaagggc ttggaatggg 120
tggttctgtt gtctacaaaa aattcgggaa gactagtga tgtggttcac ctagatcaac 180
tctaaagtgc tggaaatgagg aagatgagga agagtagttt ccttaagtgt cttattattc 240
gttccttgtg aaaataagtc tggttttcca gata 274
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<210> 2555

<211> 263

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2555

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ncgtcgcacg cacgcgtacg taagctcggg attcggctcg agggtgcaag caagtcgttt 60
gagcagacct gctttctgga tgtaaggga tactgtcgtg aagagaggag ccacgaaggg 120
cttggaatgg gtggttctgt tgtctaccaa aaattcggga agactagtga ctgtggttca 180
cctagatcaa ctctaaagtg ctggaatgag gaagatgagg aagagtagtt tccttaagtg 240
tctttattat tctgtccttg tga 263
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<210> 2556

<211> 275

<212> DNA

<213> Glycine max

<400> 2556

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cacgcgtacg taagctcggg attcggctcg agggtgcaag caagtcgttt gagcagacct 60
gctttctgga tgtaaggga tactgtcgtg aagagaggag ccacgaaggg cttggaatgg 120
gtggttctgt tgtctaccaa aaattcggga agactagtga ctgtggttca cctagatcaa 180
ctctaaagtg ctggaatgag gaagatgagg aagagtagtt tcctaagtgt cttattattc 240
tgtcctgtga aaataagtct ggttttccag atacg 275
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<210> 2557

<211> 280

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2557

 gtcgcangca cgcgtacgta agctcggaat tcggctcgag gaagcaatgc ttatatatttg 60
 ggtggccaag acaaatcaca gaactggcat gtctactctg cttctgcaga ttctgtaact 120
 ccatgcgaca atgttttacac tctagagatg tgcattgactg gcctggatag agagaaagca 180
 cagggttttct acaaagaaca atctgcttca gctgccatta tgactgttaa ttctggcatt 240
 agaaaaattc ttccagattc tgagatttgt gactttgact 280

<210> 2558
 <211> 311
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2558

 gtcgcangcg tacgtaagct cggaattcgg ctcgagccca gttgggtgag attctaacac 60
 cagctgcttg caccattgtt tcttcgctca naaacgataa tgcgactcc tatgttctat 120
 ctgagtcacg cctctttgtt tatgcctaca agatcatcat caaaacctgt ggtactacta 180
 agctattgct tccaatccca cccatattga agttcgctga aatgcttncc ttaatgttaa 240
 gtctgtgaat acaccagggg aagtttcatt tccccagtcg tcagccatat ccccatcgca 300
 attttctgan g 311

<210> 2559
 <211> 292
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2559

 ctncatgatc gtacgtnagc tcggaattcg gtcgaggggt ttttttggtg ctctccttca 60
 aactccatct ttccaaatcc tctcttttgen ttgtgttttg atctgcttcc tactgcgata 120
 gtttctctac tgttacatgg ccatggcggt ttccgcaatt gggtttgaag gtttcgagaa 180
 aaggttggaa atatcctttt tccagccggg actttttgct gaccctgaag gaaggggtct 240

aagggtcttt acaaaatccc agttgggtga gattctaaca ccagctgctt gc 292

<210> 2560
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2560

ggntatgcac ncnacgtgn gcncngagtt cggcncgngg ggggnnttccg naatnggttt 60
 tgaagggtttc gagaaaaggt tggaaatatc cttnttccan nccgggactt tntgctgacc 120
 ctgggnaggaa ggggtctaca gggctcttac aaaatcccag ttgggtgaga ttctaacacc 180
 agctgcttgc accatgtttc ttncntcana aacgatnntg tcgactccta tgttctatct 240
 gagtncagcc tctttgttna tgcctacaag atcatcancn anacctgt 288

<210> 2561
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2561

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc ncantngggg gagattcnaa 60
 naccagctgc ttgcacnant gtttcttcgc tcaaaaacna gcaatgtcga ctcctatggt 120
 ctatctgagt ccagcctctt tgtttatgcc tncaaganca tcatcaaaac ctgggtacta 180
 ctaagctatt gcttccaatc ccacccatat tgaagttcgc tgaaatgctt tcccttaatg 240
 ttaagtctgt gaattacacc aggggaagtt tcattttccc cagtgtcag ccatatcccc 300

<210> 2562
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2562

ncgcgtacgt aagctcggaa ttcggtctga gcagcattcg ttgcggcatt ttaatcgatt 60
 tatccaagca ggactgaatg aactaatgga gtctaaacnc gggaaaaaga agtctagtag 120
 tagtagtagt aaatcattgt tctacgaagc tcccctcgga tacagcattg aagacgtag 180

accaaacggt ggaatcaaga aattcagatc tgctgcttac tccaactgcg ctcgcn 236

<210> 2563
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2563

ncncgtacgt aagctcggaa ttnggctcga gctcgagncg gttcatgtgg ntngtgcaag 60
 caatttgtnt gatcanacgt gnnttctgga tgttaaggga tactgtcgcg aagagaggag 120
 ccacgaaggg ctiggaatgg gtggttctct tnnctacca aaaatttgcc aagacttggt 180
 actgtgctgt cacctagatc aactctgaag tgctggaaag aggaagatga agaagagtag 240
 ttttcttaag tgtctttatt atgtccttgc gaaaataagt ccggt 285

<210> 2564
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 2564

acgtcgcatg cacgcgtacg taagctcgga attcggctcg agaacttttc tgaggaagtt 60
 gctattcttg atggctactt tggcaagctt agtgcaggaa gcaatgctta tattttgggt 120
 ggccaagaca aatcacagaa ctggcatgtc tactctgctt ctgcagattc tgtaactcca 180
 tgcgacaatg ttacactct agagatgtgc atgactggcc tggatagaga gaaagcacag 240
 gttttctaca aagaacaatc tgcttcagct gccattatga ctgttg 286

<210> 2565
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2565

gtcgcangca cgcgtacgta agctcggaa tctggctcgag ngttttgggt gattcaaggc 60
 cttcacagca ttcgntgcgg cattnatn gatntntcca agcaggactg natgaactaa 120
 tggagtctaa aggtgggaaa aagaagtcta gtagtagtag tagtanatca ttttctacga 180

agctccccctc ggntacagca ttgaagangt tagaccaaac ggtggaatca agannttcag 240
 atctgctgct tactccaact gcgctcgcaa accttcctgn tatccatcca gattga 296

<210> 2566
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2566

ccacgcgtcc gcttcaaatac acacactctc ttcaattttct aggggttttgc tattgctttg 60
 cctccgttcc ccngntctca caaaaacaac gcctttttctc ttctccttcg tatctattct 120
 ttgcgttttg tttttggttg attgaaggca ttcacagcng taattcggtg ctgcatttta 180
 atcgatttat ctaaccagga ctgaatgacc taatggagtc taaagggtggg aaaaagaagt 240
 ctagtagtag tagtagtaaa tcaatttttt acgaagctcc cctcggatac agcattgaag 300
 acgtagtagc aaacggtgga atcaagaaat tcagatctgc tgcttactct aactgttctc 360
 gcaaaccatc ctgatacaca tccggattga tagttcgttg catgcaacca tagttttatt 420
 aggatttttt cttctttgnt ttcaattagg tttttttgtt gctctccttc aaactccatc 480
 tttccaaatac ct 492

<210> 2567
 <211> 298
 <212> DNA
 <213> Glycine max
 <400> 2567

gtagcatgca cgcgtacgta agctcggaat tcggctcgag cgtatctatt ctttgcgttt 60
 ggttttttgt tgattgaagg cattcacagc gtaattcggt gctgcatttt aatcgattta 120
 tctaaccagg actgaatgac ctaatggagt ctaaagggtg gaaaaagaag tctagtagta 180
 gtagtagtaa atcaattttt tacgaagctc ccctcggata cagcattgaa gacgtagtag 240
 caaacggtgg aatcaagaaa ttcagatctg ctgcttactc taactgttct cgcaaacc 298

<210> 2568
 <211> 277
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2568

gtcgcngcac gcgtacgtaa gctcgggaatt cggctcganc tcgagccgaa tcggctcgag 60
aganaagggtt ggaaanctcc tttannccag ccgggacttt anggctgacn ctgaaggaag 120
aggctctaagg gctcttacaa aatcccagtt ggggtgagatt ctaacaccag ctgcttgacac 180
cattgttttct tcgctcaaaa acgataatgt cgactcctat gttctatctg agtccagcct 240
cttgtttatg cctacnagat catcatcana acctgtg 277

<210> 2569

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2569

ngtcgttgn cgcgtacgtn agctcggnat tcggctcgag tttgttttca attagggtttt 60
tgtctgctct ccttcaaact ccgtctttcc gaatcctctc tttgtgattg tnttctgttc 120
tgcttcctac cgcgatagtt tctcttctga agcatggcca tggcggtttc tgcaattggt 180
tttgaagggtt tcgagaagag gctggaaata tcctttttcc agccgggact ttttgcgtgac 240
cctgagggna tgggttttnag agctcttgcn aagtcccagt tggntgagat acttacaccg 300
gctgctt 307

<210> 2570

<211> 245

<212> DNA

<213> Glycine max

<400> 2570

ggtttttget gctctccttc aaactccgtc tttccgaatc ctctctttgt gattgtgttc 60
tgttctgctt cctaccgcga tagtttctct tctgaagcat ggccatggcg gtttctgcaa 120
ttggttttga aggtttcgag aagaggctgg aaatatcctt tttccagccg ggactttttg 180
ctgaccctga gggaatgggt ttaagagctc ttgcaaagtc ccagttggat gagatactac 240
accgg 245

<210> 2571
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2571

ncncgcangc acgcgtacgt aagctcggaa ttcggctcga ggttttctcc caactgagtt 60
 ctctgttgca gttcatgtgg atgggtgcaag caagttgttt gatcagacgt gttttctgga 120
 tgtaagggga tactgtcgcg aagagaggag ccacgaaggg cttggaatgg gtggttctct 180
 tgtctaccaa aatttgccaa gacttggtgac tgtgggtcac ctagatcaac tctgaagtgc 240
 tggnaagagg nagatgcaga agagtagttt tcttaagtgt ctttattatg tccttgcgaa 300
 aataagtccg gttttccaga cagtga 326

<210> 2572
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2572

agttgcgcgn acncgtacgt aagctcggaa ttcggctcga gaaatcattg ttctangaag 60
 ctcccctcgn atanagcatn ggngacgtta gaccaannng tggaatcaag aaattcagat 120
 ctgntgctta ctccaaactgc gctcgcaaan ccttcctgat atccatccng attgatagtt 180
 cattgcatgc aaccatagtt tnattagggt ttntcttctt tgttttcaat taggtttttg 240
 ctgctctcct tcaaaactccg tctttccgaa tcctctcttt g 281

<210> 2573
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2573

gtcgcangca cgcgtacgta agctcggaa ttcggctcga gtttttctt ctttgttttc 60
 aattaggttt ttgctgctct ccttcaaact ccgtctttcc gaatcctctc tttgtgattg 120
 tgttctgttc tgcttcttac cgcgatagtt tctcttctga agcatggcca tggcggtttc 180

tgcaattggt tttgaagggt tcgagaagag gctggaaata tcctttttcc agccgggact 240
 ttttgctgac cctgagggaa tgggtttaag agctcttgca aagtcaccagt tggatgag 298

<210> 2574
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2574

aagggggatt ctgtangngn natngganng gacaacatan aagcgctatg acgtcgcgcatg 60
 cacgcgtacg taagctcgga attcgggctcg agtttatgcc tacaagatca tcatcaaaaac 120
 ctgtggtacn nntaagctat tgcttgcaat cccacccata ttgaagtctg ctgaaatgct 180
 ttcccttaat gttaagtctg tgaattacac caggggaagt ntcattttcc ccagtgtctca 240
 nccatatacnn catcgcaagn tttntgagga agattnnant gttnttngtt antntnncnn 300
 ncttttttnna tttacttaac ttatnatattg nncnttttat ntttaagcat natnactnna 360
 nnttttttnag gnggggtgtn tttnttnttn ntctttnttn tttttttnnn attcanttta 420
 ttngtttntn tnttntnnnn ntnttcnttt 450

<210> 2575
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2575

annttacgnt tgaggtcang cacgcgtacg taagctcgga attcgggctcg agnttttgaa 60
 ggtttcgaga aaagggttga aatatccttt ttccagccgg gactttttgc tgaccctgaa 120
 ggaaggggtc taagggctct tacaaaatcc cagttgggtg agatnctaac accanctgct 180
 tgnancattg tntcttcgct caaaaacgat aatgtcgn 218

<210> 2576
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2576

ccacncntcc gcaagttggt tgatcagacg tgttttctgn atgttaaggg atactgtcgc 60
gaagnngggg gccactaagg gcttggaatg ggtggttctc tnagtctacc aaaaatttgc 120
caagacttgt gactgngggt cacctanac aactctgaag tgctggaaaag aggaagatga 180
anaanagtan ttttcttaag tgtctttatt atgtccttgc naaaataagt ccngttttnc 240
agacagngat tgtttntctt tgggtgtttt tnccttttat gtttagaccat tgttagggca 300
gtttggacct tttattgntc tactattacc atttgaacat cgatggatt ttaataaaan 360
ananataata tnanngaaat ttatttctta ttattancct ttnatntat ttnantttta 420
naattctn 428

<210> 2577

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2577

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagn taatgtcgac tcctatgttc 60
tatctgagtc cagcctctnt gtttatgcct acaagatcat catcaaaacc tgtggtacta 120
ctaagctatn gcttgcaatc ccaccatata tgnagttcgc tgaaatgctt cccttaatgt 180
naagtctgtg aattacacca ggggaagnnt cattttcccc agtgcncagc canatnccna 240
tcgcaanttt tnngaggag tcnccattcc tggatngcct actttggcaa acttgggtgcg 300
gangcaatgc tt 312

<210> 2578

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2578

gtcgcacgca gcgtacgtaa gctcgggaatt cggctcgagc agccatatcc ccatcgcaac 60
ttttctgagg aagttgctat tcttgatggc tactttggca aacttgggtc aggaagcaat 120
gcttatatnt tgggtggcca agacaaagca canaactggc atgtctactc tggcttctgc 180

agattctgaa ctcaatgtgc caatgnttac actcntgagn tngggcatga ctggctggat 240
agagagaang cncaggtttt c 261

<210> 2579
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2579

gtcgcacatgca cgcgtacgta agctcgggaat tcggctcgag taaagggtggg aaaaagaagt 60
ctagtagtag tagtagtaaa tcaatttttt acgaagctcc cctcggntac agcattgaag 120
acgttagacc aaacggtgga atcaagaaat tcagatctgc tgcttactct aactgttctc 180
gcaaaccatc ctgatacaca tccggattga tagttcgttg catgcaacca tagttttatt 240
aggatttttc tcttgttttc aattagggtt ttttgttg 279

<210> 2580
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2580

tcgangcacg cgtacgtaag ctccggaattc ggctcgagaa gcaatgctta tattttgggt 60
ggccaagaca aagcacagaa ctggcatgtc tactctgctt ctgcagattc tgtaactcan 120
tgtgacaatg ttacactct tgagatgtgc atnactggcc tggatagaga gaaagcacag 180
gttttcnaca aagaacaatc tgcttcagct gccatgatga ctgnnaannc cggc 234

<210> 2581
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2581

gcatgcacgc gtacgtaagc tcggaattcg gctcgagntt cttctttgtt ttcaattagg 60
ttttttgtt gctctccttc aaactccatc tttccaaatc ctctctttgc gattgtgttt 120
tgatctgctt cctactgcga tagtttctct actgttacat ggccatggcg gtttccgcaa 180

ttggttttga aggttttcgag aaaaggttgg aaatatcctt ttccagccgg gactttttgc 240
 tgaccctgaa ggaaggggtc taagggtctt tacaaaatcc cagttgggtg agatctaaca 300
 ccagcn 306

<210> 2582
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2582

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ngccttcaca gcattcgttg 60
 cggcatttta atcgatttat ccaagcagga ctgaatgaac taatggagtc taaaggtggg 120
 aaaaagaagt ctagtagtag tagtagtaaa tcattgttct acgaagctcc ctcggtaca 180
 gcattgaaga cgtagacca aacggtggaa tcaagaanct tcagatctgc tgcttactcc 240
 aactgcgctc gcaaaccttc ctgatatcca tccggttgat agttncattg catgcnacca 300

<210> 2583
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2583

cgtcgcgtgc ncgcgtacgt aagctcggaa ttcggctcga ggttttattn ggattttntc 60
 ttctttgtnt tcaattaggt ttttttgttg ctctccttac aaactacat actttccaaa 120
 tcctctcttt gcgatttgtt tttgatctgc ttcctactgc ganagtatcn ctactgttac 180
 atggccatgg cggtnnccgc aattggtttt gaaggtttcg agaaaagggt ggaaatatcc 240
 ttttnccagc cgggactttt tgctgaccct gaaggaagggt gtctaagggt tc 292

<210> 2584
 <211> 153
 <212> DNA
 <213> Glycine max
 <400> 2584

catgcacgcg tacgtaagct cggaattcgg ctcgagctca gaaatgatca tgcgactcc 60

tatgttctgt ctgagtccag tctctttgtt tatgcctaca agatcatcat caaaacctgt 120
 ggtactacaa agctactgct tgcaatccca ccg 153

<210> 2585
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2585

tnnaactnta cgcgcccagg taccgggtcaa agaattcccg ggtcgaccca cgcgtcngta 60
 cggctgcgag aagacgacag aaggggtacgg ctgcgagaag acgacagaag gggacacgca 120
 actattttctg actacgtttt gctctacgcc tctccctctc tctcaaaaat cgttctcttc 180
 gatttttaggg ttttgttttg ctgctgcctc cgttcccccc ttctcataaa caacgcgttt 240
 tctcttctgc ttcgtatcta ttctttgctt ttggttttgg ttgattcaag gccttcacag 300
 cattcgttgc ggcatittaa tcgatttatc caagcaggac tgaatgaact aatggagtct 360
 aaaggtggga aaaagaagtc tagtagtagt agtagtaa at cattgttcta cgaagctccc 420
 ctcggataca gcattgaaga cgttagacca aacggtggna tcaaagaaat tcaa 474

<210> 2586
 <211> 80
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2586

cagccctatc cccatcgcaa cttttctgag gaagttgcta ttcttgatgg ctacttnggc 60
 aagcattgct ngnnagnggg 80

<210> 2587
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2587

tcgcatgcan ncgtagna at aagctcnana attcggctcg agggcntgga atgggtggtt 60

ctctngtnta ncaaaaaacct gccaaagactt gtgactgtgg ttcacctaga tcaactctga 120
 agtgctggaa agaggaagat gaagaagagt agttttctta agtgtcttta ttatgtcctg 180
 cgaaaaataag tccggttttc cagacagtga ttgtttttct ttgggtgttt ttccctttta 240
 tgtagacca ttgttagggc gtttggacct ttattgttc tactattacc attgaacatc 300
 gaa 303

<210> 2588
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2588

ctgcacgcgt acgtaagctc ggaattcggc tcgagggaaa caagtcgttt gagcagacct 60
 gctttctgga tgtaaggga tactgtncgt gaagagagga gccacgaagg gcttggaatg 120
 ggtggttctg ttgtctacca aaaattcggg aagactantg actgtggtca cctagatcaa 180
 ctctaaagtg ctggaatgag gaagatgagg aagagtagtt tccttaagtg tctttattat 240
 tctgtccttg tgaaaaataag tctggtt 267

<210> 2589
 <211> 225
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2589

ttcaatttct agggttttgc tatacgcttt gcctccgttc cccctttctc acaaaaacaa 60
 cgccttttct cttctccttc gtatctattc tttgcntttn gtttttggtt gattgaacgg 120
 cattcacagc gtaattggtg ctgcattttn atcgatttat ctaancagga ctgantgacc 180
 taatggagtc taaaggtggg aaanagaagt ctagtagtag tagta 225

<210> 2590
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2590

tntaactctc cngcgcacag gtanacggta tcagagtccc cggcctcgac ccaagcgtca 60
agcccacgcg tccgtacggc tgcgagaaga cgacagaagg ggacacgcaa ctatttctga 120
ctacgttttg ctctacgcct ctccctctct ctcaaaaaatc gttctctgnc gatttttaggg 180
tttcgttttg ctgctgcctc cggtcccccc ttctcataaa caacgcgttt tctcttctgc 240
ttcgtatcta ttctttgctt ttgggttttg ttgattcaag gccttcacag cattcgttgc 300
ggcatttttaa tcgatttatc caagcaggac tgaatgaact aatggagtct aaagggtggga 360
aaaagaagtc tagtagtagt agtagtaaat cattgttcta cgaagctccc ctcggataca 420
gcattnaaag aacttngac caaacggtgg aatcaaggaa attcagatc 469

<210> 2591
<211> 298
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2591

cacatgcacg cgtacgtaag ctcggaattc ggctcgaggt tttattagga tttntcttc 60
tttgttttca attaggtttt ttgttgctc tccttcaaac tccatctttc caaatcctct 120
ctttgcgatt gtgttttgat ctgcttccta ctgcgatagt ttctctactg ttacatgcca 180
tggcggtttc cgcaattggg ttgaagggt tcgagaaaag gttggaaata tccttttcca 240
gccgggactt tttgctgacc ctgaagggaag gggcttaagg gctctacaaa acccagtt 298

<210> 2592
<211> 275
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2592

anacactctc ttgcaatttc tagggttttg gtattgcttt gcctccgttc cccctttctc 60
ncaaaaaanaa cgnnttttct cttctccttc gtatctattc tttgcntntc gctttnggnt 120
gantnaaggc attcanagcg taatngttn ctgcattttn atcgatttct ctaancagg 180
ctgantganc taatggagtc taaagggtgg anaaagaagt ntagtagtan tagtagtaaa 240
tgcntttnt acgnagctcc cctcggtac agcat 275

<210> 2593
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2593

cgcgnnccgtn ngctcgggaat tcggctcgag cgcaaaccat cctgatacac atccggattg 60
 atagttcggt gcatgcaacc atagttttat taggattttt ttttctttgt tttcaattag 120
 gtttttttgt tgctctcctt caaactccat ctttccaaat cctctctttg cgattgtgtt 180
 ttgatctgct tcctactgcy atagtntctc tactgttaca tggccatggc ggtttccgca 240
 attggttttg aaggtttcga gaaaagggtt 269

<210> 2594
 <211> 155
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2594

acgncgcacc nacgcgtacg taagctcgga attcggctcg aggtggtact acaaagctac 60
 tgcttgcaat cccacccata ttgaaatttg ctgaaatgct ttccctcaat gttagatctg 120
 tgaattacac caggggaagt ttcattcttc ccggn 155

<210> 2595
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2595

naaagtcgca ngcacgcgta cgtaagctcg gaattcggct cgagttcaaa tcacacactc 60
 tcttcaattt ctagggtttt gctattgctt tgctccgtt ccccttttct cacaaaaaca 120
 acgccttttc ttttctcctt cgtatctatt ctttgcgttt ngntttnggt tgattgangg 180
 cattcacagc gtaattngtt gctgcatttt aatcgattta tctaaccagg actgaatgac 240
 ctaatggagt ctaaagggtg gaaaaagaag tctagtagta gtagtagtaa atcaattttt 300

n

301

<210> 2596
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2596

gtcgcacatgca cgcnaacgta agctcgggaat tcggctcgag gattgccttc aaatcacaca 60
ctctcttcaa tttctagggt tttgctattg ctttgcctcc gttccccctt tctcacaaaa 120
acaacgcctt ttctcttctc cttcgtatct attctttgcg nttggttttt ggttgattga 180
aggcattcac agcgtaattn gttgctgcat tttnatcgat ttatctaacc aggactgaat 240
gacctaattgg agtctaaagg tgggaaaaag aagtctagta gtagtagtag taaatcaatt 300
tattacgaag c 311

<210> 2597
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2597

ncnnntgcac gcgtacgtaa gctcgggaatt cggctcgagg attgccttca aatcacacac 60
tctcttcaat ttctaggggt ttgctattgc tttgcctccg ntcccccttt ctcacaaaaa 120
caacgccttt tctcttctcc ttcgtatcta ttctttncnt ttngntttng gttgattgaa 180
ggcattcaca gcgtaattng ttgctgcatt tnnatcgatt tatctaacca ggactgaatg 240
acctaattgga gtctaaagggt gggaaaaaga agtctagtag tagtagtagt aaatcaattt 300
tttacgaagc tccc 314

<210> 2598
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2598

cgtagcgaag ctcggaattc ggctcgagat cacacactct cttcaatttc tagggttttg 60

ctattgcttt gcctccgttc cccctttctc acaaaaaacaa cgctttttct cttctccttc 120
gtatctattc tttgcntttt gtttttggtt gattganggc attcacagcg taattngttg 180
ctgcatttnn atcgatttat ctaaccagga ctgaatgacc taatggagtc taaaggtggg 240
aaaaagaagt ctagtagtag tagtagtaaa tcaatctttt acgaagctcc cctcggatac 300
agca 304

<210> 2599
<211> 238
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2599

ctttctgatt gccttcaaat cacacactct cttcaatttc tagggttttg ctattgcttt 60
gcctccgttc cccctttctc acaaaaaacaa cgctttttct cttctccttc gtatctattc 120
tttgcgtttg gtttttggtt gattganggc attcacagcg taattngtng ctgcatttna 180
atcgatttat ctaaccagga ctgaatgacc taatggagtc taaagnnggg aaaaagaa 238

<210> 2600
<211> 274
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2600

gtacgtnagc tcggaattcg gctcgagnag aaattcagat ctgctgctta ctctaactgt 60
tctcgcaaac catcctgata cacatccgga ttgatagttc gttgcatgca accatagttt 120
tattaggatt ttttcttctt tgttttcaat taggtttttt tgttgctctc cttcaaactc 180
catctttcca aatcctctct ttgcgattgt gttttgatct gcttcctact gcgatagttt 240
ctctactgtt acatggccat ggcggtttcc gcaa 274

<210> 2601
<211> 257
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 2601

caaganattc agatctgctg cttactctaa ctgttctcgc aaaccatcct gatacacatc 60
cggattgata gttcgttgca tgcaaccata gttttattag gatttnttct tctttgtttt 120
caattagggtt tttttgttgc tctccttcaa actccatctt tccaaatcct ctctttgcga 180
ttgtgttttg atctgcttcc tactgcgata gttnctctac tggtacatgg ccatggcggt 240
ttccgcaatt ggntntg 257

<210> 2602

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2602

acgttttgct ctacgcctct cctctctct caaaaaatcgt tcncttcgat tttagggttt 60
tgtttngctg ctgcctccgt tcccccttc tcataaaciaa cgcgttttct cttctgcttc 120
gtatctattc tttgcttttg gttttggttg attcaaggcc ttcacagcat tcgttgcggc 180
attttaatcg atttatccaa gcaggactga atgaactaat ggagtctaaa ggtgggaaaa 240
agaagtctag tagtagtag 259

<210> 2603

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2603

cgcacctctt tctgattgcc ttcaaatcac acactctctt caatttctag ggttttgcta 60
ttgctttgcc tccgttcccc ctttctcaca aaaacaacgc cttttctctt ctccttcgta 120
tctattcttt gcgtttggtt tttggttgat tganggcatt cacagcgtaa ttngttgctg 180
catttnaatc gatttatcta accaggactg aatgacctaa tggagtctaa aggtgggata 240
nagaag 246

<210> 2604

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2604

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annctcatgc acgcgtacgt aagctcggaa ttcggctcga gacgttttgc tctacgcctc 60
tccctctctc tcaaaaatcg ttctcttcga ttttaggggt ttgttttgct gctgcctccg 120
ttccccctt ctcataaaca acgcgttttc tcttctgctt cgtatctatt ctttgctttt 180
ggttttgggt gattcaaggc cttcacagca ttcgttgcg gcattttaatc gntttatcca 240
agcaggactg aatgaactaa tggagtctaa aggtgggaaa aagangtcta gtagtagtat 300
agtaaatcat 310
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<210> 2605

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2605

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acgtcgcang cacgcgtacg taagctcgga attcggctcg agctacgcct ctctctctc 60
tcaaaaatcg ttctcttcga ttttaggggt ttgttttgct gctgcctccg ttccccctt 120
nctcataaac aacgcgtttt ctcttctgct tcgtatctat tctttgcttt tggttttgggt 180
tgattcaagg cttcacagc attcgttgcg gcattttaat cgatttatcc aagcaggact 240
gaatgaacta atggagtcta aaggtgggaa aaagaagtct agtagtagta 290
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<210> 2606

<211> 333

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2606

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nanatgnacg cgtacgtaag ctcggaattc ggctcgagct ttctgattgc cttcaaatca 60
cacactctct tcaatttcta gggttttgct attgctttgc ctccgttccc cttttctcac 120
aaaaacaacg cttttctct tctccttcgt atctattctt tgcgtttgggt tttcggttga 180
ntgaaggcat tcacagcgta attingttgct gcatttnnat cgatttatct aagcaggact 240
gantgagcca atgngtcta aangtgggaa aaagaagtct agtngtagta gtagtaaatc 300
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aatttttttac gaagctcccc tcggatacag cat 333

<210> 2607
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2607

gcacgcgtac gtaagctcgg aattcggcnt cgagngattg ccttcaaadc acacactctc 60
 ttcaattttct aggggttttgc tattgctttg cctccgttcc cccttttctca caaaaacaac 120
 gccctttctc ttctccttcg tatctattct ttgcgtttng ctttnggttg actganggca 180
 ttcacagcgt aattngttgc tgcatttttna tcgatttatc taancaggac tgantgacct 240
 aatggagtcc aaagggtggga aaaagaagtc tagtagtagt agtagtaaata caatttttta 300
 cgaagcncccc ctg 313

<210> 2608
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2608

accangcacg cgtacgtaag ctccgganttc ggctcgagtc tacgcctctc cctctctctc 60
 aaaaatcggt ctcttcgatt ttaggggtttt gttttgctgc tgccctccgtt ccccccttct 120
 cataaacaac gcgttttctc ttctgcttcg tatctattct ttgcttttgg ttttggttga 180
 ttcaaggcct tcacagcatt cgttgcggca ttttaaatcga tttatccaag caggactgaa 240
 tgaactaatg gagtctaaag gtgggaaaaan naagtctagt agtagt 286

<210> 2609
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2609

ncgtcgcang cacgcgtacg tnagctcggc attcggctcg agnnttgctc tacgnctctc 60

cctctctctc aaaaatcggt ctcttcgatt ttagggtnnt gttttgctgc tgcctccggt 120
 ccccccttct cataaacaac gcgttttctc ttctgcttcg tnttattctn gcgcttttgg 180
 gatnggttga ntnaaggcct ncanagcatt cgntgcggca ttctaatacga nttatccaan 240
 caggngctgaa tnaactantg gagtctaaag gnnggacaaa gaagtctagt ngtngtagna 300
 gtaaaancatt g 311

<210> 2610
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2610

ngtcnnangc acgcntacgt nagctcggna ttcggctcga gntctgacta cgttttgctc 60
 tacgcctctc cctctctctc aaaaatcggt ctcttacgat tttaggggtt ngttttgctg 120
 ctgnctccgn tcccccttg ctcataaaca acgcgttttc nontctgctt cgtatctatt 180
 ctttgcntnn ggntttggtt gattcaaggc cttcacagca ttcgtngcgg catttnaatc 240
 gatttatcca agcangactg aatgnactaa tggagtctaa aggtgggaaa aagaagtcta 300
 gtagtg 306

<210> 2611
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2611

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 aatcgttctc ttcgatttta gggntttggt ttgctgctgc ctccgttccc cccttnctca 120
 taaacaacgc gttttctctt ctgcttcgta tctattctac gcttttggtt ttggttgatt 180
 caaggccttc acagcattcg ttgnnggcatt tnaatcgatt tatccaagca ggactgaatg 240
 aactnatgga gnctaaagg gnnggaaaaagc agtnntagtag cngtagcagt nacncatgtn 300
 ntcagnagcn ccnngc 316

<210> 2612

<211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2612

acttcgcatg cacgcgtacg taagctcgga attcggctcg agctaacacc agctgcttgc 60
 accattgttt cttogetcan aancnntnaa tgtcgantcc tatgttctat ntgngtccag 120
 cctgctttgt ttatgtcnta naagatcatc atcgcaacct gtggtinctac tangctattg 180
 cttgnaatcc caccatatt gnngttcgct ganatgcttt ccctgaatgt taagtctgtg 240
 aattacacca agggaagttt cattttnnnc atgctcagnc atntccccgt cgcaactttt 300
 ctgaggaagn tgctattctt ggatggcta 329

<210> 2613
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2613

agtctcatgc acgentacgt nnagctcgga attcggctcg agtgcaacca tagttttatt 60
 aggatttttt ctcttttgtt ttcaattagg tttttttgtt gctctccttc aaactccatc 120
 tttccaaatc ctctctttgc gattgtgttt tgatctgctt cctactgcga tagtttctct 180
 actgttacat ggccatggcg gtttcgcgaa ttggttttga angtttcgag aaaagggttg 240
 aaatatcctt tttccagccg ggactttttg ctga 274

<210> 2614
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2614

tcgcatgcac gcgtacgtaa gctcggaatt cggtcgcgagc tttctgattg ccttcaaatc 60
 acacactctc ttcaatttct aggnttttgc tattgctttg cctccgttcc ccctttctca 120
 caaaaacaac gccttttctc ttctccttcg tatctattct ttgcgttttg tttttggttg 180
 attgaaggca ttcacagcgt aatnngttgc tgcattttaa tcgatttatc taaccaggac 240

tgaatgacct aatggagtct aaagntggga aaaag

275

<210> 2615

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2615

ncgcangcac gcgtacgtaa gctcgggaatt cggctcgagn tgccttcaaa tcacacactc 60

tcttcaattt ctagggtttt gctattgctt tgcctccggt ccccttttct cacaaaaaca 120

acgccttttc tcttctcctt cgtatctatt ctttgcgctt ggcttaggnt gactganggc 180

attcacagcg taattcggtt ctgcatttta atcgatttat ctaaccaggnt ctgantganc 240

tantgggctc taaagggtggg aaaaagaagt ctaagtagta gtagagtaaa tcaantnncc 300

nc 302

<210> 2616

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2616

cgnangcaca cgtacgtaag ctcggaattc ggctcgagnt ttagggtttt gttttgctgc 60

tgcctccggt ccccttttct cataaacaac gcgttttctc ttctgcttcg tatctattct 120

ttgcttttng ttttggttga ttcaaggcct tcacagcatt cgttgcggca ttttaatoga 180

tttatccaag caggactgaa tgaactaatg gagtctaaag gtgggaaaaa gaagtctagt 240

agtagtagta gtaaatacatt gttctacgaa gctcccctcg gatacagcat tgaa 294

<210> 2617

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2617

actnnaagtc gcatgcacgc gtacgtaagc tcggaattcg gctcgagctt tctgattgcc 60

ttcaaatacac acactctctt caatttctag ggttttgcta ttgctttgcc tccgttcccc 120
ctttctcaca aaaacaacgc ctttnntctt ctccttcgta tctattcttt gcgnntngnt 180
ntnggttgat tganggcatt cacagcgtaa ttngttgctg catttnaatc gatttatcta 240
accaggactg aatgacctaa tggagtctaa anntggggaa aangaagtct agtagtagta 300
gtagtaaatc aatttntacg 320

<210> 2618
<211> 260
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2618

ncntcgcatg cacgcgtacg taagctcggg attcggctcg aggttcccc cttctcataa 60
acaacgcgtt ttctcttctg cttcgtatct attctttgct tttggttttg gttgattcaa 120
ggccttcaca gcattcgttg cggcatttta atcgatttat ccaagcagga ctgaatgaac 180
taatggagtc taaagggtggg aaaaagaagt ctagtagtag tagtagtaaa tcattgttct 240
acgaagctcc cctcggatac 260

<210> 2619
<211> 285
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2619

nagtcgcatg cacgcgtacg taagctncgg aattcggctc gaggtcttac gcctctccct 60
cnatctcaaa aatcgtgctc ttcgatttta gggttttggn ttgctgctnc ctccgttcnc 120
cccttctcat aaacaacgnc gttttctctt ctgnntcgtg tctattcttt gcttttggtt 180
ttggttgatt caaggccttc acagcattcg gtgcggcatt ttaatcgatt tatccaagca 240
ggactgaatg aactaatgga gtctaaagggt gggaaaaaga agtct 285

<210> 2620
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2620

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atacgcacatgc acgcgtacgt aagctcggaa ttcggctcga gatttctgac tacgttttgc   60
tctacgcctc tccctctctc tcaaaaaatcg ttctcttcga ttttaggggtt ttgttttgct  120
gctgcctccg ttccccctt ctcataaaca acgcgttttc tcttctgctt cgtatctatt  180
ctttgctttt ggttttgggtt gattcaaggc cttcacagca ttcgttgcg cgttttaatc  240
gatttatcca agcaggactg aatgaactaa tggantcnaa nggtgggaaa aagaagtcta  300
gtag                                                                 304

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<210> 2621
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2621

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gcttctgtcc atccctgtca ttctcaagtt ggctgatgct cttgacatag ctgtgaaatc   60
tgtgaggtag actcgtggaa gcttcatttt ccctggggca cagtcttttc ctcaccgcag  120
tttttccgag gaggtttctg ttcttgacag ctatttcagc aaccttggtt ctggtagcaa  180
agcatatgtt atgggtgacc cttcaaagtc acagatttgg cacatctact ctgcaagtgc  240
acagacaaaa ggatcatctg aagctgtcta tggcctagag atgtgcatga ccggtttaga  300
caaggaaaagt gcttctgtgt ttttcaagga gaatacatct tcagcagctt caatgaccga  360
aaattctgga attangaaga ttcttccaca gtctgatata tctga                    405

```

<210> 2622
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2622

```

gtcgcacatgca cgcgtacgta agctcggaa tnggctcgag ctcgagccgc cctgtcattc   60
tcaagttggc tgatgtctt gacatagctg tgaaatctgt gaggtacact cgtggaagct  120
tcattttccc tggggcacag tcttttctc accgcagttt ttccgaggag gtttctgttc  180
ttgacagcta tttcagcaac cttggttctg gtagcaaagc atatgttncg ggtgaccctt  240

```

caaagtcaca gatttggcac atctactctg caagtcaca gaccaaagga tcatctgaa 299

<210> 2623

<211> 200

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2623

ngtacgtaag ctcggaattn ggctcgagnn tcaagttggg ntgatgctct tgacatagct 60

gtgaaatctg tgaggtagac tcgtggaagc ttcattttcc ctggggcaca gtcttttcct 120

caccgcagtt tttccgagga ggtttctgtt cttgacagct atttcagcaa ccttggttnt 180

ggtagcaaag catatgttat 200

<210> 2624

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2624

gtnncatgca cgcgtagcta agctcggaat tcggctcgag ctgagaatgg gatggtgagt 60

agtgaggggtg aaaccagttt cacttggtgc atgaagtttg gtggctcctc tgtggcttct 120

gctgatagga tgaaagaggt ggctaccctt atattgagtt tttccgagga gaggcctatt 180

gttggttctct ctgctatggg aaaaacaaca aacaagcttt tgctggctgg agagaaagct 240

gtgagttgtg gtgttatcaa tgtatcaagt attgaggagc tttgctttat aaaagacctg 300

catctaagga ctgtggatca gcttggtg 328

<210> 2625

<211> 254

<212> DNA

<213> Glycine max

<400> 2625

caaatgcgga cattttggaa gcaacttattc cggcagtcgc caagagatta catggtgatt 60

ggctctctga tcctgcaatt gcaattgtta caggcttcct tggaaaggcc cagaaatcat 120

gtgcagtgac aacactgggt agaggggggca gtgatttgac agctacagca attgggaaag 180

cactaggggtt acctgagatc caggtatgga aggatgttga tgggtgtccta acctgtgatc 240
 caaatatata ccca 254

<210> 2626
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2626

gagtcgcang cacgcgtacg taagctcgga attcggctcg agcaatattc gaagagttag 60
 gtatatcagt tgatgttgta gctacaagtg aagttagtat ttcccttgaca ttggatccat 120
 caaagctatg gagcagagaa ctaattcaac aggaacttga ctatgtttgtc gaagaactgg 180
 aaaaaattgc agtagtaaata ctcttaaaga ccagatccat aatctctctc attggaaatg 240
 ttcagagatc atcactaata ttggagaagg cctttcatgt tcttcgaact cttgggg 297

<210> 2627
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2627

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag gtggtgttac taatgtgtca 60
 agtattgagg agctttgctt tataaaagat ctgcatctaa ggnctgtgga tcagcttggt 120
 gtggacggat ctgttattgc aaagcatcta gaagaattgg agcaacttct gaaggggata 180
 gctatgatga aagaattgac taaaaggact caggactatt tagtctcctt ggagaatgca 240
 tgtcgactag gatcttgctg gcatacttta acaaaatagg tgtcaaggcc gccatacga 299

<210> 2628
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2628

tncacgcgta cgtaagctcg gaattcggct cgagcagata tgatgtatga ccttatccac 60

aaggctcaat caanagatga gtcttataca gctgcattaa atgctgtttt ggagaagcac 120
 agtgcaactg cacatgacat acttgancgg agataatctt gctactttct tgtctaaatt 180
 gcatcatgat attagtaacc ttaaggcgat gcttcgtgca atatacatag ctggcatgc 240
 aacagagtcc ttacagatth tgttgaggga catggagaat aggtct 286

<210> 2629
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2629

gtcgcgtacg tnagctcgga attcggctcg agcaggcctc aaccctgaaa gaagaattca 60
 acattgattt gcgtgtaatg ggcatacttg gttcanagtc aatgcttctt agtgatgtgg 120
 gcattgactt agctagatgg agagaacttc gagaggaaa aggagaagtg gctaattgtg 180
 aaaaatttgt tcaacatgta catggaaatc attttataacc aaacacagca ttagtggact 240
 gcacagctga ctctgccatt gctggctatt actatgactg gttgcgcaa 289

<210> 2630
 <211> 168
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2630

angcacgcgt acgttagctc ggaattcggc tcgagngcaa atggatggat acaagggatg 60
 tccttatcgt aaatcctact ggttctaadc aagttgatcc tgactatttg gaatctgagc 120
 aaagacttga aaaaatggtag tctttgaatc catgtaaggt aatcattg 168

<210> 2631
 <211> 207
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2631

gtcgcgatgct cgcgtacgtg ggnnccggggg tnnnnnnant tnnccatactt ttgggtgctn 60
 ggtcctgcat ccncngtcta tgagacctgc tanagaaaagt gatattcctg ttaggggttaa 120

aaattcctac aaccctaaag ctccaggtac tctcnttgct nnnnacgngg gatatggnc 180
gggctttttt acctnccttt tttggag 207

<210> 2632
<211> 293
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2632

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag ggtggctttg cggatattga 60
aacgagttac acgtgtgtca tgaagtttgg cggctcctct gttgccaatg cagaaaggat 120
gagagagggt gccaacctta ttctgagctt cccggaagag aggcctataa ttgtntctct 180
tgccatggga aagacaacta acatgctgtt gctggctgga gaaaaagctg taagctgtgg 240
nataactang gnngatagtt tgacgnannng gttttnaaaa attggnatcc ggg 293

<210> 2633
<211> 270
<212> DNA
<213> Glycine max
<400> 2633

gtagatgtga aacctgggtg gtccttggag gaaaaacaac tacccaaagg agaaaacttg 60
tctgttcaca aatttgggtg aacctgtgtg ggaacctctc aaagaataaa aaatgttgct 120
gacataattc ttaaggatga ttcggggaga aaattgggtg ttgtctctgc aatgtcaaag 180
gtgaaaaata tgatgtatga cttatccac aaggctcaat cacgcgatga gtcttatata 240
gctgcattgg attctgttta ggagaagcac 270

<210> 2634
<211> 313
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2634

nncacncgca cgcacgcgta cgtaagctcg gaattcggct cgagcccgga aatcatgtgc 60
agtgacaaca ctgggaagag ggggcagtga tttgacggct acaacaattg ggaaagcact 120

agggttgcct ganatccagg tatggaagga tgttgatggt gtcctaacct gtgatccaaa 180
tatataccca aaagcagaac ctgttcctta tttgacattt gatgaggctg cagaactagc 240
ttacttttggg gtcaggttc tacatccaca gtctatgaga cctgccagag aaagtgatat 300
tcctgttagg gtt 313

<210> 2635
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2635

gtcgcangca tcgtacgtna gctcggaatt cggctcgagn taaaaggact caggactatt 60
tagtntcctt tggagaatgc atgtnnacaa ggatctttgc nggnacatnc gnaanaaaat 120
aggtgtcaag gctcgccaat atgatgcatt tganattggt tttataanca actgacgact 180
tcacanatgc ggacattttg gnngccactt atccagctgt tgcanagagn ttgcatggtn 240
antagctctc cgctcctgca attgcaattg cnacggctcc ttggaaaaggc ccggaactca 300
ngtgcantnc caaactggg ac 322

<210> 2636
<211> 310
<212> DNA
<213> Glycine max
<400> 2636

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag ctacaagtga agtcagtgtt 60
tccttgacat tggatccatc aaagctatgg agcagagagc taattcagca ggaacttgac 120
catgttgtag aagaactcga gaaaatcgct gtggtgaatc tcctgcagaa tagatccatc 180
atctctctca ttggaaatgt tcagagatca tctaataat tggagaagg tctgtattat 240
gtcccttcta tttaaattag ttcatatcct aactttcact tatgtataaa gatttactga 300
atattattaca 310

<210> 2637
<211> 438
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2637

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ccacgcgtcc gtcccaaatac tggaagaata tcttggaag caggctcttag aggctgtttc 60
attgattgaa gttagaaggc acttcattga agcattatcc agtccgtttg gaaggccagt 120
tgaagctgat gctgtctttt gcaggaaggc aacttttctt gctgcatctg gtgttttcac 180
gttcctgaag cagaagaaat accgtgtgac agaaatgttg ggatccaatt gcaagatatg 240
ggacttgagt tccacattgg aagtaatgag attctaattg gggttttata agaccttggg 300
ctctctgact acaatgatta gcttttgttg tatgattcac tcaaagttct tatcaattgg 360
tattagagct tttcattatg tctntcaact ncaaaacanc hacntgggtg aataccttca 420
aatttgnact gttnaagt 438
```

<210> 2638

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2638

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tgcangcacg cgtacgtaag ctcggaattc ggctcgagnt tactcctaac aagaaggcaa 60
attcaggacc acttgatcag tatttgaagt taagagctct tcaaaggcaa tcctatacac 120
attacttcta tgaagcaact gtcggagctg gtcttccaat tgtagcact ttacgtggcc 180
tccttgaaac tggagacaaa atattacaaa tcgaaggcat ctttagtggg actttgagtt 240
acataattta taactttaaa gatggccggg cttttagtga ggtagtttct gaagcaaagg 300
aagcaggtta tactgagcca gatccaaga 329
```

<210> 2639

<211> 256

<212> DNA

<213> Glycine max

<400> 2639

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cagtatttga agttaagagc tcttcaaagg caatcctata cacattactt ctatgaagca 60
actgttggag ctggtcttcc aattgttagc actttacgtg gcctccttga aactggagac 120
```

aaaatactgc aaatcgaagg catcttttagt gggactttga gttacatatt taataacttc 180
aaagacggcc gggcttttag tgaggtagtt tctgaagcaa aggaagcagg ttatactgag 240
ccagatccaa gagatg 256

<210> 2640
<211> 285
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2640

gtcgnnnntnn gggtagtga gctcgggnatt cggctcgagg ggcagtatta acaagcattg 60
ttttgaaacg taatgtgacc atgttgata tagcaagcac tcgcatgctt ggtcngtatg 120
gtttccttgc taaggngttt tcaatctttg aagagttagg catatcagtt gatgtttag 180
ctacaagtga agtcagtgtt tccttgacac tggnnccatc aaagctatgg agcagagagc 240
taattcagca ggcaagtga cttgaccatg ttgtagaaga actcg 285

<210> 2641
<211> 282
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2641

cgcnncnttg tacgtnagct cggnatctcg ctcgagggca gtattaacaa gcattgtttt 60
gaaacgtaat gtgaccatgt tggatatagc aagcactcgc atgcttggtc agtatggttt 120
ccttgctaag gtgttttcaa tctttgaaga gttaggcata tcagttgatg ttgtagctac 180
aagtgaagtc agtgtttcct tgacactgga tccatcaaag ctatggagca gagagctaata 240
tcagcaggca agtgaactga ccatgttgta gaagaactcg ag 282

<210> 2642
<211> 527
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2642

gnngnnaggc tgnntttngg aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

```

nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nncgagcaat aattgttctc tctgccatgg 120
gaaagacaac taacatgctt ttgctggctg gagaaaaagc tgtaagctgt ggagtaacta 180
atgctgatag tattgatgag ctcaacatag taaaagatct tcatctcagg actgtggaac 240
agcttggagt ggacagaaat gttattgaga agcatctaga agaattggag caacttctaa 300
aggggatagc tatgatgaaa gagttgactc cacggactca agactattta gtttcatttg 360
gagagtgcac gtccactagg atatttgctg catatcttaa tacattagga gttaaggccc 420
gccaatatga tgcatttgag atgggtatta taacaactga tgacttcaca aatgctgaca 480
ttttggaagc aacatatcct gctgttgcaa aaaggttcat aantgat 527

```

```

<210>      2643
<211>      291
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2643

```

```

nttcgcangc acgcgtacgt aagctcggaa ttcggctcga ggttgccaac cttattctga 60
gcttccccga agagaggcct ataattgttc tctctgccat gggaaagaca actaacatgc 120
tgtngctggc tggagaaaaa gctgtaagct gtggagtaac tatggctgat agtattgacg 180
agctcagcat tataaaagat ctgcatctca ggactgtgga agagcttgga gtggacagaa 240
atgctattga gaagcatcta gaagaattgg agcaactttt aaaggggata g 291

```

```

<210>      2644
<211>      265
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2644

```

```

tcgcatgcac gcgtacgtaa gctcgggaatt cggtcgcagg aaagaatgag agaggttgcc 60
aaccttattc tgagcttccc ggaagagagg ccaataattg ttctctctgc catgggaaag 120
acaactaaca tgcttttgct ggctggagaa aaagctgtaa gctgtggagt aactaatgct 180
gatagtattg atgagctcaa cataatanaa gatcttcac tcaggactgt ggaacagctt 240
ggagtggaca gaaatgttat tgaga 265

```

<210> 2645
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2645

cangcacgcg tacgttagct cggatctcg ctcgagcaag cactcctggg gtttagtgct 60
 cccttttcaa tgcatgggct aaggccaata taaatgtccg tgctatagcg caaggttggt 120
 ctgagtacaa tattactggt gttgttaagc gagaggattg tataaaggct ttacgagctg 180
 tccattccan attttatctc tcaagaacca ccatagcaat gggcattatt ggacctggat 240
 taattgggag cacactactt gaccagctaa gggatcaggc ctcaaccctg aaagaagaat 300
 tcaacat 307

<210> 2646
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2646

nngnngcann cacgcgtacg tnagctcgga attcggtcgc anntccgtgc tatagcgcaa 60
 ggntgttctg agtacaatat tactgttggt gtttaancgag aggnntgtat aaaggcttta 120
 cgagctgtcc attccagatt tnatctctca agaaccacca tagcaatggg cattattgga 180
 cctggattaa ttgggagcac actacttgac cagctanagg atcaggcctc aacctgaaa 240
 gaagaattca ncattgattt gcgtgtaatg ggcatacttg gttcaaagtc aatgctctta 300
 gtgatgttgg cattgacttn ncctagn 327

<210> 2647
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2647

ngtnggnnta cgtnagctcg gaattcgggt cgagcggatc tggtatttca aagcatctag 60

aagaattgga gcaacttctg aaggggatag ctatgatgaa agaattgact aaaaggactc 120
aggactatatt agtctccttt ggagaatgca tgtcgacaag gatctttgct gcatatctta 180
ataaaatagg tgtcaaggct cgccaatatn atgcatttga gattgggtttt ataacaactg 240
acgacttcac aaatgcggac attttggaag cnacttatnc agctgttgca aagagattgc 300
atggtgattg gctctcc 317

<210> 2648
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2648

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag ctcatttcca gagcatctag 60
aagaattgga gcaacttctg aaggggatag ctatgatgaa agaattgact aaaaggactc 120
aggactatatt agtctccttt ggagaatgca tgtcgacaag gatctttgct gcatatctta 180
ataaaatagg tgtcaaggct cgccaatatg atgcatttga gattgggtttt atagcaactg 240
acgacttcac aaatgcggnc attttggaag caacttatcc agctgttgca aagagattgc 300
atggtgattg gctctccgat cctgcaattg caat 334

<210> 2649
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2649

ngcacgcgta cgtaagctcg gaattcggct cgnngnatgt ccctccgcga gancggcccc 60
tccatcgccg tcgtgggcgt catcggcgcc gncggccagg agttcctact ccgtcctctc 120
cgaccgcgac ttccccctacc gctccntcat atgctggctt ccaagcgtc cgctggccgc 180
cgcatcacct tcgaggacag ggactacgtc gtccaggagc tcacgccgga gagcttcgac 240
ggtgtcgcat cgcgctcttc agcgcggcg gctccatcag caagca 286

<210> 2650
<211> 280
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2650

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gtnnangcac gcgtagctaa gctcgggaatt cggctcggagg acgctccggt gggcgccgca 60
tcaccttttna gnnccaggga ctacgtcgtg ncggagctga cggcgggagan cttcgatggc 120
gtcganatcg cgatctncan cgccgncggc ncccattagc aagtacttcn gccccatcnn 180
cgtcnatcgg ggaacgggtgn tcgncgacan cagatccgcn tntcggatgg acnanaatgt 240
cccattggta atncccgaat caaaccgtn nccatgcaaa 280
```

<210> 2651

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2651

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ncacgcgtnc gtanacgtnn gnattcngct cgannngcgn nnnngctgggg cgccgcatca 60
cctttgagtn acaggggacta cgtcgtggag gagctgacgg cggagagctt cgatggcgctc 120
gacatcgcg c tttcagcgc cggcgggtcc attagcaagt acttcggccc catcgccgctc 180
gatcgggggaa cgggtggtcgt cgacaacagc tccgcgtttc ggatggacga gaatgtccca 240
ttggtaattc ccgaagtga cccggaagca atgcaaaaaca tcaaagccgg aatggaaaagg 300
gcgcattcat gctaacccta att 323
```

<210> 2652

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2652

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gggaataaaaa cctgctttct atttttctca acctaaaatc ccatccacca accttatgat 60
gatgtcttca ctctctgttt cgcgccacaa ccacctcttc tcggggccctc tcccggcccg 120
gcccgaagccc aagcccagct tttcctcttc caggatccga atgtccctcc aagaaaaacgg 180
cccctccatc gccgtcgtgg gcgtcaccgg cgccgtcggc caggagtcc tctccgtcct 240
ctccgaccgc gacttcccct acagctccat caaaatgctc gcgtccaagc gctccgctga 300
```

gcgccgcacac acctttgagg acagggacta cgtcgtggag gagctgacgg cggagaactt 360
cgatggcgtc gacatcgcg ctttcancgc cgggcggctc aa 402

<210> 2653
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2653

gggnngggnn nnnnttaact ttccagggcc cggtcaggaa aaccggggtc gacccacgcg 60
tcngtacggc tgcgagaaga cgacagaagg gggggacatg gaattggaag acaagttgga 120
gtgtggtggt ctgttttaaa atccaacact taatctctct cttcgcagcc taaaatccca 180
atggcttcac tctctgtttt gcgccacaac cacctcttct cgggccccct cccggccccg 240
cccaagccca cctcctcttc ctctccagg atccgaatgt ccctccgcca gaacggcccc 300
tccatcgccg tcgtgggctt caccggcgcc gtcggccagg agttcctctc cgtcctctcc 360
gaccgcgact tcccctaccg ctccattcat atgctggctt ccaagcgctc cgctggccgc 420
cgcatcacct tcgagacaa ggactaagtc gtccaagaac tcangccggg anaacttcaa 480
cg 482

<210> 2654
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2654

cangcacgcy tacgtaagct cggaaatcgg ctcgagctct cttcgcagcc taaaatccca 60
atggcttcac tctctgtttt gcgccacaac cacctcttct cgggccccct cccggccccg 120
cccaagccca cctcctcttc ctctccagg atccgaatgt ccctccgcca gaacggcccc 180
tccatcgccg tcgtgggctt caccggcgcc gtcggccagg agttcctctc cgtcctctcc 240
gaccgcgact tcccctaccg ctccattcat atgctggctt ccaagcgctc cgctggccgc 300
cgcatcacct tcgaggacag ggactac 327

<210> 2655
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2655

gtngcccnca cgcgtacgta agctcgggaat tcggctcgag gagctttgcc acaagaaggg 60
 gactttgctc tgtattgatg gtacatttgc aacaccattg aaccagaagg cccttgccct 120
 tggcgctgat ctgattctgc actccttaac aaaatacatg ggtggacatc atgatgtaag 180
 ttggcatgtt caagatttag tttgatggaa aaacaacaca aatatgttac attttcaggg 240
 ttaagagtta agcgtcaagg agcattttcc tctttcaggc ccttggtggt tgcataagtg 300
 gttcaactaa gg 312

<210> 2656
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2656

gnnnangtnn ntntcnaana ngntaanctt tnnaaaccct ccatttnggt aancnccggg 60
 gccacgcgtc cgcncacgcg tncgcccacg cgtccggaga gaaagagagg gagtaagtgg 120
 gtnnaggang gaaaaactaaa gaaacaaacc taacacaaca caaatccttg aaacgacgac 180
 ggaaatggcc gtttcgagct cgcacatgcg tttcaccttt gagtgccgct ccgatcccgga 240
 tttctcgccc cccccgccgt ccttcgacaa cctccgccgc cgaaaacttcc gtcctccgc 300
 aggatccggc gcggcgtttc acggcatctc ctccctcatc ctccgcttcc tcccaacttc 360
 cagcgccagc taagcaccaa ggcgcgccgc aactgcagca acatcggcgt cgcgcaaadc 420
 gtcgccgctt cgtggtcgaa caacagcnac aactnttcgg ccgncggggc ttcngcgccg 480
 accgggggnc cgggcacgga cccggtacgg ggcttttccc gtngtcgtaa cgncnaacaa 540
 gg 542

<210> 2657
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2657

```

cgtcgcangc acgcgtacgt ncagctcggga attcggctcg agcggatctt gacatggttg   60
atgctgccat agtagaaggg aaaacaaaag tgctttactt cgaatctggt tccaacccca  120
cccttacggg tgcgaaacata cctgaactgt gccacatggc acaccggaag ggagtgcg   180
tggtgggtgga caacacgttc gcgcccattg tgctttcgcc agcgcgtctt ggtgctgatg   240
ttgtcgttca cagtatctcc aagttcatca gcggtggggc cgatatcatt gcaggagcgg   300
tgtgcg                                           306
  
```

<210> 2658
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 2658

```

gtcgcgatgca cggtacgta agctcggaat tcggctcgag gacggatctt gacatggttg   60
atgctgccat agtagaaggg aaaacaaaag tgctttactt cgaatctggt tccaacccca  120
cccttacggg tgcgaaacata cctgaactgt gccacatggc acaccggaag ggagtgcg   180
tggtgggtgga caacacgttc gcgcccattg tgctttcgcc agcgcgtctt ggtgctgatg   240
ttgtcgttca cagtatctcc aagttcatca gcggtggggc cgatatcatt gcaggagcgg   300
tgtgcg                                           307
  
```

<210> 2659
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2659

```

gnnnnngnaga gtttgnttgg ggggnaggga gnnanatttt nagaccacta tgacgtcgca   60
tgcacgcgta cgtaagctcg ganttcggct cgagagacag aggntagaga angagaggga  120
gtaagtgggt aaaggaaaaga naactaaaga aacaaaccta acacaacaca aatccttgaa  180
acgacgcggt aaatggccgt ttcgagctcg cacatgcgtt tcacctttga gtgccgntcc  240
gatcccgaatt tctcgcccc cccgccgtcc ttcgacaacc tccgccgccg caacttccgc  300
  
```

tcctccgcag gatccccggcg cggcggtttca cggcatctcc tcctcatcct ncgcttccct 360
 cccaacttcc agcgccagct aagcaccaag gcgcgccgca actgcagcaa catcgggcgtc 420
 gcgcaaatacg tcgccgcttc gtggtcgaac aacagcgaca actctccggc cggcgggggt 480
 tcggcgccgg ccgcggcacc ggcacggacg ccgtt 515

<210> 2660
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2660

caaggacatc atgatgtcct tgggtggtgc ataagtgggt caattnnngt ggtttcgcaa 60
 attcggactt tgcaccatgt nttgggtggt acacttaacc cgaatgctgc atacctattc 120
 atcagaggca tgaaaacgct gcatctccgt gtacagcagc agaattcaac aggaatgagg 180
 atggccaaac ttttagaggc acatcccaag gtgaagcggg tctactatcc aggcttgccg 240
 agtcaccctg aacatgag 258

<210> 2661
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2661

ganattgtca tgcactctgc tacaaaattt attgctggac atagtgacat tatggctggt 60
 gtgcttgctg tgaaggggtga aaagttggga aaggaattgt atttcttgca aaatgcagag 120
 gggtcaggct tagcaccatt tgactgttgg ctttgtttgc gaggaatcaa gacaatggcc 180
 ctgcgaattg aaaaacaaca ggataatgca cagaagattg ctgagttcct tgcctcccat 240
 cctcgagtga agaaagtga ttatgctggc ttgcctg 277

<210> 2662
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2662

gcatgcacnc gtacgtaagc tcggaattcg gctcgagnnt gcctcccatc ctcgagtga 60
gaaagtgaat tatgctggct ngcctggta tcttggtcgt gatttacact attctcaggc 120
aaagggtgca ggatctgtgc ttagcttctt gactgggtca ttggaacttt caaagcatat 180
tggtgaaact accaaatact tcagtataac cgtcagcttt gggagtgtga agtcccttat 240
tagcatgcca tgctttatgt cacatgcaag cnnngncngct ggcagttcgt gaggccagag 300
tttaagaaga tctgtagtat at 322

<210> 2663

<211> 273

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2663

cgcangcacg cgtacgtaag ctcggaattc ggctcgagaa acaacaggat aatgcacaga 60
agattgctga gttccttgcc tcccatcctc gagtgaagaa agtgaattat gctggccttg 120
ctgggtcatcc tggctgtgat ttacactatt ctcaggcaaa ggggtgcagga tctgtgctta 180
gcttcttgac tggttcattg gaactttcaa agcatattgt tgaaactacc aaatacttca 240
gtataaccgt cagctttggg agtgtgaagt ccc 273

<210> 2664

<211> 289

<212> DNA

<213> Glycine max

<400> 2664

gcacgcgtac gtaagctcgg aattcggctc gaggttcagg cttagcacca tttgactgtt 60
ggctttgttt gcgaggaatc aagacaatgg ccctgcgaat tgaaaaacaa caggataatg 120
cacagaagat tgctgagttc cttgcctccc atcctcgagt gaagaaagtg aattatgctg 180
gcttgctgg tcatcctggg cgtgatttac actatttctca ggcaaagggt gcaggatctg 240
tgcttagctt cttgactggg tcatggaact tcaaagcata ttgttgaaa 289

<210> 2665

<211> 499

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2665

```
aacttttacg ccnccangtg ccgggcaang gtnangagnt cccgggtcga cncacgcgtc 60
cggnnagaag acgacagaag gggacggtgg tgggtggacaa cacgttcgcg cccatggtgc 120
tttcgccagc gcgtcttggg gctgatgttg tcgttcacag tatctccaag ttcacgagcg 180
gtggggccga tatcattgca ggagcggtgt gcggacccgc aagactggtg aacgcaatga 240
tggatctgca acaagggtca ctaatgctgc tgggtccaac aatgaatgcg aaagtggcat 300
tcgaactctc ggagagaata ccgcacctag ggctaagaat gaaggagcat agcaaccgcg 360
cactagagtt cgcaacgagg ctcaaaaaggc taggaatgag ggtaatatata ccgggccttg 420
aggagcacc acagcaccaa gcttctgaaa tcaatgcaca acaaggacta tggctacggc 480
gggctcatgt tcntngaca 499
```

<210> 2666
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2666

```
tcgcatgcac gcgtacgtaa gctcgggaatt cggtctgaga cgggagggtca agcccgccct 60
gaccaacatg gtctccgctg ctaagctcat tcgcacccag ctcgccagcg ccaagtgcg 120
accttttttt gccttttttcg tttccgagga gggcgctcgtc gatgcccaatt tgtntccaat 180
aaacagggtt cccccctgt gcccgccgtt ctggtgtgct ccgtctgtgg ttaggttact 240
agttttcttg atctcgcccc cagcggttac ctgttttata tctgtttggt ggtttctgag 300
gcaagttgcc cgtgtattgt atcgta 326
```

<210> 2667
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2667

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gggacactac tcagattcac 60
 actcacatgt gctactccaa cttcaatgac atcattcact caatcataga catggatgct 120
 gatgtgatca ccattgagaa ctccagatca gatgagaagt tactttcgggt cttccgtgag 180
 ggagtgaaat atggtgccgg cattggctct ggcgtttatg atattcactc acccaggatt 240
 cctcccacag aagaaattgc tgacaggatc aacaagatgc ttgcagttct tgaaagcagc 300
 attctctg 308

<210> 2668
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2668

nagtcgcacg cacgcttacg taagctcnga attcggctcn nnngnccant gancttgctg 60
 cttctctcan taccttggca gggctttgag ggcatgtgtg ggcaaagata agcttggttg 120
 tgtccacctn ctctccctt cttcacactg gctgtggnct tagttaacga naccnagttg 180
 gatgatgaga tcaagtcacg gctagctttg gctgccccaa aaattgttga ngttaacgca 240
 tnggctaaaag cngtgtcngg ccacaaggat gaggcctnct tctctgntan tgcngctgct 300
 ctggcttcaa gan 313

<210> 2669
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2669

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggg ggatgtactt gatcccannc 60
 accagccatc tgctcgacgc caccgccanc ctcggtgccg tcccccccag gtacggctgg 120
 accggcggcg agattggatt cgncacctac ttctccatgg ccagaggtaa tgctaccgtg 180
 cntgctangg agatgaccaa gtgggttcgac accaactacc actttattgt ccctgaattg 240
 ggccctgatg tgaattcacc tatgcttctc acaaggctgt tgatgaatac 290

<210> 2670

<211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2670

cncgcacgcg tacgtaagcn tcgcgaattc ggctncgagt tgctcccnca gnagcganga 60
 agangccaca gagnnctagt ctccctanct ctacacccgc aaganaaana tggcatctca 120
 catacgttgg atacccccgt atgggttccc aagagagnnt ncaanttcgc tctcgagtcn 180
 ttctgggatn gcaanancag cgccgangct ttgcagangg tgtcntctga tctcagggca 240
 nccatctggn ancagttggc tgatgntggg ntcaagtaca tccccngca 289

<210> 2671
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2671

nttgcgtnc a cgcgtacggn agctcggaat tcggctcgca gtgcacgtgt nattangnna 60
 aatgagaaan aaaaaaatgg tcatncaca tcgnnggata cccccgtatg ggtgcccaag 120
 agagagcnca agntcgcttc tcgagtcttn cngggatggc aagagcagcg cngaggattt 180
 cncagaaggt gtcttcngan ctccgggcat ccancnggaa gcagatggct gttgctggga 240
 tcaagtanan cccnancaan acttcngcnc actatgatca ggntcacnac gcnetgccac 300
 nct 303

<210> 2672
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2672

agngacgcgt actaagtcgg aattcggctc gagaagataa gcttggtgtg tccacctcct 60
 cctcccttct tcacactgct gtnganccca gttaacgaga ccaagttgga tgatgagatc 120
 aagtcattgg ctagcttttg nctggcccaa naaaattgtg ngaagttaaa cggcattggg 180
 ctaaaaggca ttggtgctgg gaccancaag ggatggaggg cttttctttc tctgggtaaa 240

tggctggctg gctactgggc tttccaaggg aaagttcttt cctn 284

<210> 2673
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2673

cntgcncgta nntnagctcg gaattcggct cgagctgagg ttgttggtgt tgccaaggnt 60
 gtaaatanatg gtcccgttc tgtgctgat ggctnctnaa nccaatgcca aatccatgca 120
 ggngcntgcc acgtcgaanc gtaccantaa caaggcgggtt aaggaccgtc aagccagcgt 180
 cactcctgag caacacngc gcaagtctca gttccctgaa cgttatgccc agcagaagaa 240
 gcacttgagc ctcttggtc cccaccacca ccattgggtc ctccctcag accana 296

<210> 2674
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2674

gcgcntgcan tnanacgtng agntcggaat tcggctcgag ctccaatcc ttccaaccac 60
 cactattggn ncnttcngtc agantnnann antgaggagg gtacgccgtg agttcaangc 120
 taanaagntc tnnnnnggaa ntntatgnct aagtcaatta agngggaaat tcgcaaagtt 180
 gttgaacttc aagaagagct tgatattgat gttcttggtc atggagancc agagngaaat 240
 gntatgggtg agtacttcgg tgagcaatt 269

<210> 2675
 <211> 216
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2675

nngtcganac ntgcgtacgt aancncggaa ttcggctcga gggcaagacc agcgccgng 60
 attngcaggn ggtgtctnct aancncagga gcatccatcn ggaagcagat ggcngatgct 120

gggatcaant acatccccag caacactttg ctactcacna naaccaggtn ctcgacgccn 180
 ccgccaccct acggngccgn tgccacnnag gtangg 216

<210> 2676
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2676

anatgaccag aagacgggtca ttggcttttg gcggctctgg ctcagagctt taccaagcgc 60
 ccaatgaagg gaatgcttac cggaccagtt gagaatggta acaggaccgg taagcattct 120
 caactgggtcc tttgttagaa atgaccaacc tagatctgag accacctacc agattgcttt 180
 gtctatcaag gacgaagtgg aagaccttga aaaggctggc atcactgtta tccaaattga 240
 tgaagctgct ttgagagagg gtc 263

<210> 2677
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2677

cgcangcacg cgtacgtaag ctoggaattc ggctcgagtn gggngcgggn ggcgtgaagc 60
 caccgatcat nnatggtgat gtgagccgcc caaagccaat ganngtcttc tngngatnnc 120
 tggntcagag ctttacnaag cgcccaatga agggaatgct taccggtcct gttaccannc 180
 tcaactgggn nnntggtaga aatgaccanc ctagatctga gaccacctag nagantgctt 240
 tgtctatcaa ggacgaatgg aaganncnnn ccaaggctgg catcantgtn a 291

<210> 2678
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2678

cctanggtgc cgntccacna nggnacngnt gncnccggcg gngagattng gtttgatacc 60
 tactttctcca tggccanang taatgctacc gtgccagcta tggagatgac caagtggttc 120

gacaccaact accactntat tgtccctgaa ttggggccctg atgtgaactt cacctatgct 180
tctcacaagg ctgttgatga atacaaggag gccaaaggcgc ttgnagtgga taccgttccg 240
gtcctcgttg gccctgttac atacctg 267

<210> 2679
<211> 252
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2679

cagaagccnc agaagaagcc acagagaact agtctnctac tcnccaccng caagnaccnn 60
natggcatnn tcnctcggtt ggataccccc gtatgggtcc ncaannngag agctcaagtt 120
gtctcgagtc tttctgggat ggcaagagnn agcgccgagg gatttgcaga aggtgtcttc 180
tgatctccag ggcattccatc tggaagcaga tggatgatgct gggatcaagt acatccccag 240
caaactttct nt 252

<210> 2680
<211> 324
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2680

gtcgcangca cgcgtacgtn agctcggnat tcggctcgag cacgagacca agttggatga 60
tgagatcaag tcatggctag cttttgctgc ccaanaaatt gttgaagtta acgcattggc 120
taaagcattg tctggccaca aggatgaggc cttcttctct ggtaatgctg ctgctctggc 180
ttcaaggaag tcttttccaa agagttgacc aaacgagggc tgntccagaa agnctgctgc 240
tagcaattga agggttccag atcatngccg gncaacaatt ntccatgcca gactggatnc 300
tcaacaaaaag aagnncaacc ttcc 324

<210> 2681
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 2681

tnnaggtagt agctcggatt cggtcgagct ctccatggcc agaggtaatg ctaccgtgcc 60
tgctatggag atgaccaagt ggtncgacac naactaccac tttattgtgc ccngnattgg 120
gccctggatg nagaactttc acctatgnct ntcttcacaa gggctgtntg gatgcagata 180
ncaaggggaag gtccaagggg cgatttgggg agtcgggata nccaatntcc ncggnaactc 240
cgtntggggc cncgtggtta ancatnactt tggatataggc taccinncca aaggtcctgg 300
gcacaaangg ggcaaatttc gganggtaaa attcccattg gggggcttcc tgcccttgct 360
tc 362

<210> 2682

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2682

cgtcgnangc ncgcgtncgt cagctcggnn ttcggctcgn gctgnacctg tgcttgtggg 60
acctgtttct tncctgtgtg tgtcannacc agctaagggt gttgagangt cattttccct 120
tctttcccta attgacaaga tccttcctgt ctacagggaa gttgtggctg aactgaaggc 180
agctggtgct acttggtacc agtttgatga acctaccctt gtgaaggatc tcaatgcccc 240
ccagttacaa gcattttacc atgcctacgc agagtttagag tcaagtttnt ctgggttggn 300
tgttctgatt ganacatact t 321

<210> 2683

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2683

gnngcacgcg tacgtaagct cggaattcng ctcgagctgn cntcaacttg ntccctcaga 60
agcgnntann aatccacana gaactatgtc tcnctactnc ncacccgcaa gaaaaaaaaatg 120
gcntntcaac atcgttggat acccccgtat nggncccaat agaganctna attcgtcttc 180
gagtctatct gggatgncaa nagtacgccg aggatttgca naangngtct actgatctca 240

gggcatccnt ctgganncag atggntnatg ctgggatcag tacatccnca gcaacatttc 300
tctnactntg accan 315

<210> 2684
<211> 174
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2684

gctgcaggca cgcgtacgtn agctcggaat tcggctccgn gcttcancctt gctccctcag 60
aagcgnagaa gaagcccana gagaanagnc tcctantctc acccgcaagn nnaanatggg 120
atctcacatc gttggntacn cccgtatggg tcccaagaga gagctnaagt tgnt 174

<210> 2685
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2685

aacngaaaagn cgcangcacg cgtacgtaag ctcggaattc ggctcgagct tcaggatctc 60
cgaggaagag tatgtaaagt caattaagga ggaaattcgc aaagttgttg agcttcaaga 120
agagcttgat attgatgttc ttgttcattg agaaccagag gtccgctctc atttcataac 180
atgactaaat attagtcttt tgaattgaag atagcttctt tctttctgaa gagcaactac 240
tctttgcata ttttctttcc tattgttaga ttgcngattc caaaattgca gcacctccaa 300
ctn 303

<210> 2686
<211> 103
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2686

gntttntttt ttttttgggt tggtttcnnt tgggtttttt tggttttnnt gnttnttggt 60
tntttgtttt tttttgtttt ttntgtttt tttttttttt nnt 103

<210> 2687
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2687

gnnngnaggt tttgannggg ggggaggggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngnttgnt nccttanaag cnaagaagaa 120
 nccncanana ancnggcttc taattttttt taaccaccag aaaaatgggn ttttaaantc 180
 ggtnggntnc cccggattgg gnccaaggag agagctaaag ttcgttctcg agtctttctg 240
 ggatggcaag gagcagcgcc gaggatttgc agaaagggtg ctgcttgatc tcaaggatcat 300
 ccattctgna agcagatggc tgggtggctgg gatcaaagta ccttccccag caacactttt 360
 ctcgttctat gaccaagctt gntcgacgcc accgncaccc tcggtgccgt cccccccag 420
 tacggntgga ccggcggcga gattggattc gacacctact tctccatggn cagaggtaat 480
 gctaccgtgc ctgctatgga gatgaccaat ggttcgacac caa 523

<210> 2688
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2688

agaggcctgc ttgnctttat canananann ncacngccat gccctccgaa cttccatttc 60
 ngcccaggcg tactcccacg cntcctcagt ngccaacga ggctgttcan aangctgctg 120
 ctgcattgaa ngnttnggan ggtntccntg caacaaatgt caggtgccan actggattct 180
 caacaaaaga anctcaacct tncaatnctg ncaaccacca ctattggatc cttccctcag 240
 actgtataac tgaggagggt acgcccctga attnaaagct aacaagatct ccgangaana 300
 ngtatgttna tgtcanttta aggaggaaat tttcaaantt tgtttgagct tnnataaaaag 360
 cttnatattn atnttcttgt catnnagaan nncagatgaa atgntatggg tcnagtncct 420
 tttngggaca aattttctaa nctttttccn tttacncnnn tatnnggttn gttncaaatc 480
 ttttgggtcc ccctttcntn naaancnnn atcatntttt ngntganttt tatncnccca 540
 aantnaanna nnccgctttt tttntttttt 570

<210> 2689
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2689

```

agagggttnnn tttttttnnat nnaaaagtatt tttnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngttagg naaatgacca 120
accttagatc tnngaccacc taccnggggtg ctttggctat naagggccna antggagggga 180
ccttgaaaag gctggcatca ctgttatcca aattgatgaa actgctttga gagaaaggggt 240
ctgccactga gggaaaatcaa gaacaaggct cacttacttg gactgggctn gtncatgcct 300
ttnagnaatc accaatgttg gnntnntccn ngataccact caaaattcac acccacatgt 360
gctanctcca aacttttaac gacattnttc aatccatnaa ttnacatgg gcccttattg 420
ttattcacca tttgaanaac tnttgcttcc gaattaanaa acttccttgt naaagtentt 480
tcntggaaaaa ggtgttaaaa nattgggtct tgggaaattn ggncccttggg ngtttattta 540
aaatnccant tccccaanaa atnccc 566

```

<210> 2690
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2690

```

tcgcatgcac gcgtacgtaa gctcgggaatt cggtctgagc aaagaccctt gatttgataa 60
agcaaggntt tccatctgga aaattttcttt ttgctgggtg tgttgatgga agattnatTT 120
gggccaataa ttttgcattc tctctgaaca cccttcaggc acttgagagac attgttgga 180
atgacaagggt tgtgggtttcc acgtcgtgtt ctcttcttca cactgcagtt gatctgggtga 240
atgagaccaa attggaccaa gagattaagt cttggcttgc atttgcagca caaaaagttg 300

```

<210> 2691
 <211> 239
 <212> DNA
 <213> Glycine max

ngtcgcangc	acgcgtacgt	nagctcggaa	ttcggctcga	gcttgatttn	atcaagcaag	60
gatttccatc	tggaaaattt	ctntncgctg	gtgttgttga	tgngaagana	tatttgggcc	120
aatagtcttg	catcttctct	gaacaccctt	caggcacttg	gggacattgt	tgggaatgac	180
aaqgttgatg	tttccacgtc	ctgttctctt	cttcacactg	cagttgatct	gtgaatgaq	239

```
<223>      unsure at all n locations
<400>      2692
```

tcgcatgcac	gcntaagtna	gctcgggaatt	cggctcgagc	atttactgcc	aatgggtggg	60
tgcaatcata	tggatcccg	tgtgtcaaac	ctcccatcat	ctatggtgat	gtgagccgtc	120
ccaagcccat	gacagttttc	tgggtcttcaa	ctgctcaaag	tttgaccaa	cgaccaatga	180
aggggaatgct	tactggccct	gttactattc	tgaactggtc	ctttgttaga	gatgaccaac	240
caagatttga	aacatgttac	cagattgctt	tggctatcaa	ggatgagggt	gaggatcttg	300
aga						303

```
<223>      unsure at all n locations
<400>      2693
```

983

<210> 2694
 <211> 459
 <212> DNA
 <213> Glycine max

 <400> 2694

 ccacgcgtcc ggtgttctct tcttcacact gcagttgatc tggatgaatga gaccaaattg 60
 gaccaagaga ttaagtcttg gcttgcatth gcagcacaaa aagttgttga agtaaattgcc 120
 ttggccaagg cattgtctgg acagaaggat gaggttttct tttctgctaa tgctgctgcc 180
 ttggcttcaa ggaagtcttc cccaagggtg ataaatgagg ctgtccaaaa agccgctgct 240
 gctctgaagg gctctgatca tcggaggggc acaaattgta gtgccagggt ggatgctcaa 300
 cagaagaaat tgaatctttc tgttcttcca acaactacaa ttggatcttt ccctcaaact 360
 gccgatctta gaagagttcg tcgtgaattc aaggctaaca agatctccga ggaagattat 420
 atcccgtttc attaaggagg aaatttacaa tgttgtaaa 459

<210> 2695
 <211> 306
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2695

 gcncgnacgc gtacgtaagc tcggaattcg gctcgagggt tttcttttct gctaattgctg 60
 ctgccttggc ttcaaggaag tcctcccca ggggtgataaa tgaggctgtc caaaaagccg 120
 ctgctgctct gaagggtct gatcatcgga gggccacaaa tgtagtgcc aggttggtg 180
 ctcaacagaa gaaattgaat ctttctgttc ttccaacaac tacaattggn tctttccctc 240
 aaactgccga tcttagaaga gttcgtcgtg aattcaaggc taacaagatc tccgaggaag 300
 attata 306

<210> 2696
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2696

acgtcgcacg cacgcgtacg taagctcggg attcggctcg aggtaaatgc cttggccaag 60
gcattgtctg gacagaagga tgagggtttt ttttctgcta atgctgctgc cttggcttca 120
aggaagtcct ccccaagggt gataaatgag gctgtccaaa aagccgctgc tgctctgaag 180
ggctctgata atcggagggc cacaaatgtt agtgccaggt tggatgctca acagaagaaa 240
ttgaatcttt ctgttcttcc aacaactaca attnggtctt tccct 285

<210> 2697
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2697

acgtcgcang cacgcgtacg taagctcggg attcggctcg agngaagctg tccaaaaggc 60
cgctgctgct ctgaagggt ctgatcatcg gagggccaca aatgttagtg ccaggctgga 120
ttctcaacag aagaaactga atcttctgt tcttccaaca actacaattg ngctctttcc 180
ctcaaactgc cgatcttaga agagttcgcc gtgaattcaa ggctaacaag atctccgagg 240
aanntatata catttcatta aggagggaaa ttaacaatgt tgtgaagctc caggaagaat 300
tga 303

<210> 2698
<211> 260
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2698

gtcgcntgca cgcgtacgta agctcgggaa tcggctcgag tggatgaatga naccaaattg 60
gaccaagaga ttaagtcttg gcttgcatth gcagcacaaa aagttgttga agtaaatgcc 120
tggccaaggc attgtctgga agaaggatga ggttttcttt tctgctaatt ctgctgcctt 180
ggcttcaagg aagtcctccc caagggtgat aaatgaggct gtccaaaaag ccgctgctgc 240
tctgaagggc tctgatcatc 260

<210> 2699
<211> 193
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2699

```
taacnagacg tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagn tgataaatga 60
ggctgtccaa aaagccgctg ctgctctgaa gggctctgat catcggaggg ccacaaatgt 120
tagtgccagg ttggatgctc aacagaagaa attgaatctt tctgttcttc caacaactac 180
aattggatct ttc 193
```

<210> 2700

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2700

```
gtcgcangca cgcgtacgta agctcgggaat tcggctcgag nctggtatta ctgtcatcca 60
gattgatgag gctgctctaa gagaagggtt acctctgagg aagtctgagg aggctttcta 120
tctaaactgg gctgttcact catttaggat taccaactgt ggtgtggagg aactactca 180
gattcacact cacatgtgct actccaactt caatgacatc attcactcan tcntagacat 240
ggatgctgat gtgatcacca ttgagaactc cagatcagat gagaagttac tttcgggtctt 300
ccgtgng 307
```

<210> 2701

<211> 361

<212> DNA

<213> Glycine max

<400> 2701

```
gtcgcacgca gcgtacgtaa gctcgggaatt cggctcgagg attcgaaaca tgctaccaga 60
ttgctttggg ctatcaagga tgaggttgag gatcttgaga aagcaggat tactgtcatc 120
cagattgatg aagctgctct aagagaaggt ttacctctga ggaagtctga ggaggctttc 180
tatctaaact gggctgttca ctcatctagg attaccaact gtggtgtgga ggacactact 240
cagattcaca ctcatatgtg ctactccaac ttcaatgaca tcatcactca atcatagaca 300
tggaatgctga tgtgatcacc atgagaactc tagatcagac gagaagttac tttcagttctt 360
```

<210> 2702
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 2702

gtcgcacatgca cgcgtacgta agctcgggaat tcggctcgag gctgctctaa gagaaggttt 60
 acctctgagg aagtctgagg aggcctttcta tctaaactgg gctgttcact catttaggat 120
 taccaactgt ggtgtggagg aactactca gattcacact cacatgtgct actccaactt 180
 caatgacatc attcactcaa tcatagacat ggatgctgat gtgatcacca ttgagaactc 240
 tagatcagac gagaagttac tttcagtcct cgcgcaggga gtgaaatatg gtg 293

<210> 2703
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2703

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag attactgtca tccagattga 60
 tgaagctgct ctaagagaag gtttacctct gaggaagtct gaggaggctt tctatctaaa 120
 ctgggctggt cactcattta ggattaccaa ctgtggtgtg gaggacacta ctcagattca 180
 cactcacatg tgctactcca acttcaatga catcattcac tcaatcatag acatggatgc 240
 tgatgtgatc accattgaga actctagatc agacgagaag tt 282

<210> 2704
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2704

cgctgcangc ncgcgtacgt nagctcggaa ttcggctcga ggagatgacc aaccaagatt 60
 tgaaacatgt taccagattg ctttggtat caaggatgag gttgnggatc ttgagaaagc 120
 tgggtattact gtcattcaga ttgatgaggc tgcnctaaga gaaggtttac ctctgaggaa 180

gtctgaggag gctttctatc taaactgggc tgttcactca tttaggatta ccaactgtgg 240
 tgtggaggac actactcaga tncacactca ca 272

<210> 2705
 <211> 298
 <212> DNA
 <213> Glycine max
 <400> 2705

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag aagaagttca accttccaat 60
 cctcccaacc accacaattg gatccttccc tcagactggt gaactgagga gggcgctcg 120
 tgaatacaag gctaacaaga tctcagagga ggagtatgtt agttcaatta aagaggaaat 180
 ccgcaaagtt gttgaactcc aagagaatct tgatatcgat gtcctggtac acggggagcc 240
 tgagaggaat gacatggtgg agtactttgg tgagcagttg tcaggctttg cctttacc 298

<210> 2706
 <211> 307
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2706

nncgcatgca cgcgtacgta agctcggaat tcggctcgag aagaagttca accttccaat 60
 cctcccaacc accacaattg gatccttccc tcagactggt gaactgagga gggcgctcg 120
 tgaatacaag gctaacaaga tctcagagga ggagtatgtt agttcaatta aagaggaaat 180
 ccgcaaagtt gttgaactcc aagagaatct gcatatcgat gtcctggtac acgngagcc 240
 tgagaggaat gacatggtgg agtactttgg tgagcagttg tcaggctttg cctttaccgt 300
 taaggct 307

<210> 2707
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2707

ccacgcgtcc gctggaagca gatggctgat gctggaataa agtatattcc tagcaacacc 60

ttctcacttt acgatcaagt actggacaca acagccatgc tcggggcagt tccatctaga 120
 tataattgga atggtgggga gattgggttt gatgtttact tctcaatggc aagagggaat 180
 gcatctgtac cagctatgga aatgaccaag tggtttgaca ccaattacca ttacattgtt 240
 cctgaattgg gtcctgatgt taagttctcc tatgcatcac acaaggctgt cgatgaattt 300
 aaagaggcca aagttctggg agttaatact gtacctgtgc ttgtgggacc tgtatcctac 360
 ttgttgctgt caaaaccagc taagggtgtt gaagaagtca tttcccttc tttccctaata 420
 tgacaagatc cttcctgtct acagggangt tt 452

<210> 2708
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2708

acgtcgcang cacgcgtacg taagctcgga attcggctcg agcaagtggg ttgacaccaa 60
 ttncattac attgttcctg aattgggtcc tgatgttaag ttctcctatg catcacacaa 120
 ggctgtcgat gaatttaaag aggccaaagt tctgggagtt aatactgtac ctgtgcttgt 180
 gggacctgta tcctacttgt tgctgtcaaa accagctaag ggtgttgaga agtcattttc 240
 cttcttttcc ctaattgaca 260

<210> 2709
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2709

atcgcattgca cgcgtacgta agctcggaat tcggctcgag caacagccat gcttggggca 60
 gttccattcta gatataattg gaatgggtggg gagattgggt ttgatgttta cttctcgatg 120
 gcaagaggga attcatctgt accagctatg gaaatgacca agtgggttga cacaaactat 180
 cattacattg ttctgaatt ggggtccagat gtttaagttct cctatnccat cacacaaggt 240
 tgtggatgaa tacntngagg ctaaagttct gggaa 275

<210> 2710

<211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2710

```
ntnacgcnta cgtaagctcg gaattcggct cgagctagtc tcctactctc acccgcaaga 60
aaaaaaatgg catctcacat cgttggatac ccccgatatg gtcccaagan agagctcaag 120
ttcgctctcg agtctttctg ggatggcaag agcagcgccg aggatttgca gaagggtgtct 180
tctgatctca gggcatccat ctggaagcag atggctgatg ctgggatcaa gtacatcccc 240
agcaacactt tctctacta tgaccagggt ctcgacgcca ccgccaccct cggtgccggt 300
ccac 304
```

<210> 2711
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2711

```
tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc tccactcaga agcgaagaan 60
aagccacaga gaactagtct cctacttctc acccgcaaga naaaaatggc atctcacatc 120
gttggatacc cccgatggg tcccaagaga gagctcaagt tcgctctoga gtctttctgg 180
gatggcaaga ncagcgccga ggatttgcaag aagggtgtct ctgatctcag ggcattccatc 240
tggaagcaga tggctgatgc tgggatcaag tacatcccca gcaacacttt ctctcactat 300
gaccagggtt tcgacgccac cgccaccctc ggtgccgttc c 341
```

<210> 2712
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2712

```
gtcgcnnnga cgcgtacgta agctcgcgaa ttcggctcga ggcgaagaag aagccacaga 60
gaaccagtct cctactctct ctacccaca agaaaaatgg catctcacat cgttggatac 120
ccccgcatgg gtcccaagag agagctcaag ttcgctctcg agtctttctg ggatggcaag 180
```

agcagcgccg aggatttgca gaaggtggct gctgatctca ggtcatccat ctggaagcag 240
atggctgggtg ctgggatcaa gtacatcccc agcaacactt tctcgttcta tgaccagctg 300
ctcgacgcca ccgccaccct cg 322

<210> 2713
<211> 328
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2713

ttgtccctc agaagcgaca cngaagccac agagcactag tctcctactc tcacccanca 60
aganaaaaaat ggcattctcac atcgttggat acccccgtat gggccccaaag agagagctca 120
agttcgctct cgagtctttc tgggatggca agagcagcgc cgaggatttc agaaggtgtc 180
ttctgatctc agggcatcca tctggaagca gatggctgat gctgggatca agtacatccc 240
cagcaacact ttctctcact atgacanggt tctcgacgcc accggcaccc tcggtgccgt 300
tncaccaagt aggtggancg gcggcgag 328

<210> 2714
<211> 339
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2714

angcacgcgt acgtaagctc ggaattcggc tcgagctctg cttcaacttg ctccctcaga 60
agcgaagaag aagccacaga gaaccagtct cctactctct ctcaccaca agaaaaatgg 120
catctcacat cgttggatac ccccgcatgg gtcccaagag agagctcaag ttcgctctcg 180
agtctttctg ggatggcaag agcagcgccg aggatttgca gaaggtggct gctgatctca 240
ggtcatccat ctggaagcag atggctgggt ctgggatcaa gtacatcccc agcaacactt 300
tctcgttcta tgaccagctg ctcgacgcca ccgccaccc 339

<210> 2715
<211> 296
<212> DNA
<213> Glycine max

<400> 2715

```
catgcacgcg tacgtaagct cggaattcgg ctccgagcac agagaaccag tctcctactc 60
tctctcacc cacaagaaaaa tggcatctca catcggttga taccctccgca tgggtcccaa 120
gagagagctc aagttcgctc tcgagtcctt ctgggatggc aagagcagcg ccgaggattt 180
gcagaaggtg gctgctgac tcaggtcatc catctggaag cagatggctg gtgctgggat 240
caagtacatc cccagcaaca ctttctcggt ctatgaccag ctgctcgacg ccaccg 296
```

<210> 2716

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2716

```
ngtngcangc acgcgtacgt aagctcggaa ttcggctcga gtttgcagaa ggtgtcttct 60
gatctcaggg catccatctg gaagcagatg gctgatgctg ggatcaagta catccccagc 120
aacactttct ctactatga ccaggttctc gacgccaccg ccaccctcgg tgccgtccac 180
caaggtacgg ctggcaccgg cggcgagatt gggtttgata cctacttcnc catggccaga 240
ggtaatgcta ccgtgccagc tatggagatg accaagtggg tcgacaccaa ctaccacnct 300
nttgtccc 308
```

<210> 2717

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2717

```
annttncgt acgtaanctc ggaattcggc tcgagcttgc tccctcanan ncntgaanaa 60
gccacagaga actagtctcc taactctcac ccgcaagacn aaaaatggca tctcacatcg 120
ttggntaccc ccgtatnggt cccaagagag agcncaagtt cgctctcgag tctttctggg 180
atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg gcatccatct 240
ggaagcagat ggctgatgct gggatcaagt acatccccag caacactttc tctcactatg 300
accaggttct cgac 314
```


<210> 2718
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2718

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctccctcaga agcgaagaag 60
 aagccacaga gaaccagtct cctactctct ctacccaca agaaaaatgg catctcacat 120
 cgttggatac ccccgcatgg gtcccaagan agagctcaag ttcgctctcg agtctttctg 180
 ggatggcaag agcagcgccg aggatttgca gaaggtggct gctgatctca ggcatccat 240
 ctggaagcag atggctggtg ctgggatcaa gtacatcccc agcaacactt tctcgttcta 300
 tgaccag 307

<210> 2719
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 2719

acgcgtacgt aagctcggaa ttcggtcga ggcttcaact tgctccctca gaagcgaaga 60
 agaagccaca gagaaccagt ctctactct ctctaccca caagaaaaat ggcatctcac 120
 atcgttggat acccccgcat ggggtccaag agagagctca agttcgctct cgagtctttc 180
 tgggatggca agagcagcgc cgaggatttg cagaaggtgg ctgctgatct caggatcatc 240
 atctggaagc agatggctgg tgctgggatc aagtacatcc ccagcaacac tttctcgttc 300
 tatgaccact gctcgacg 318

<210> 2720
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2720

gcacgcgtac gtaagctcgg aattcggctc gagctcagaa ncgaanaaga agccacncna 60
 gaactagtct cctactctca cccgcaanaa aaaaatggca tctcacatcg ttngatacc 120

cccgatatggg tcccaagaga gagctcaagt tcgctctcga gtctttctgg gatggcaaga 180
gcagcgccga ggatttgag aaggtgtctt ctgatctcag ggcattccatc tggaagcaga 240
tggctgatgc tgggatcaag tacatcccca gcaacacttt ctctcactat gaccaggttc 300
tcgacgccac cgncaccctc ggtn 324

<210> 2721
<211> 331
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2721

nncncnngca tncgtacgta agctcggaaat tcggctcgag cggctcgagt tcaacttgct 60
ccctcagaag cgaagaagaa gccacagaga actagtctcc tactctcacc cgcaagaaaa 120
aatggcatc tcacatcggt ggataccccc gtatgggtcc caagagagag ctcaagttcg 180
ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagnag gtgtcttctg 240
atctcagggc atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca 300
acactttctc tcactatgac caggttctcg n 331

<210> 2722
<211> 327
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2722

gttgcannga cgcgtacgta agctcnngaat tcggctcgag gccacagaga ctccagtctc 60
ctactctctc tcaccanana gananntggn atntcactc gttggatacc ccgcatggg 120
tcccaagana gagctcnagt tcgctctcga gtctttctgg gatggcnagn ncngcgccga 180
ggatttggca naaggtggct gctgatctca ggtcatccat ctgaagcag atggctggtg 240
ctgggatcaa gtacntcccc agcaacactt tctcgttcta tgaccagctg ctcgacgcca 300
ccgccaccct cgggtgccgc cccccag 327

<210> 2723
<211> 316

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2723

```
gtcgcacgca cgcgtacgta agctcgggaat tcggctcgag ggctgatgct gggatcaagt   60
acatccccag caacactttc tctcactang accnggtttc tcgacgccac cgcnacccctc  120
gggtgccgttc caccaaggna cggtctggacc ggcggcgaga ttgggtttga tacctacttc  180
tccatggcca nangtaatgc taccgtgcca gctatggaga tgaccaagtg gttcganacc  240
aactanact ttattgtccc tgaatgggcn ctgatgtgaa cttcacctat gcttctcaca  300
aggcngctga tgaana                                     316
```

<210> 2724
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2724

```
cgntnnnaag cgtacgtnag ctcggaattc ggctcgagct tgctccctca gaagcgaaga   60
agaagccaca gagaaccagt ctctactctt ctctcaccca caagaaaaat ggcatctcac  120
atcggttgat acccccgcgt gggctccaag agagagctca agttcgctct cgagtcttct  180
gggatggcaa gagcagcgcc gaggatttgc agaagggtggc tgctgatctc aggtcatcca  240
tctggaagca gatggctggt gctgggatca agtacatccc cagcaacact ttctcgttct  300
atgaccagct gctcgacgcc                                     320
```

<210> 2725
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2725

```
gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ctcagaagcg aagaagaagc   60
cacagagaac tagtctccta ctctaccccg caagaaaaaa atggcatctc acatcgttgg  120
atacccccgt atgggtccca agagagagct caagtctgct ctcgagtctt tctgggatgg  180
```

caagagcagc gccgaggatt tgcagaaggt gtcttctgat ctcagggcat ccatctggaa 240
gcagatggct gatgctggga tcaagtacat cccagcaac actttctctc actatgacca 300
g 301

<210> 2726
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2726

gtngcatgcn cgcgtagcta agctcggnat tcggctcgan ctcgagccga atcggtctga 60
gagaaaaatg gcatctcaca tcgttagata ccccgcatg ggncccaaga gagagctcaa 120
gttcgctctc gagtctttct gggatggcaa gagcagcgcc gaggatattgc agaaggtggc 180
tgctgatctc aggtcatcca tctggaagca gatggctggt gctgggatca agtacatccc 240
cagcaacact ttctcgttct atgaccagct gctncgacgc caccgccacc ctcggtgccg 300
tccccccan gt 312

<210> 2727
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2727

nncgtctcan gcacgcgtac gtnagctcnn naattcggct cgaggaacta gtctcctact 60
ctcanccnca ananaataat ggcattctgca catgcgntgg atacccccgt atgggtccca 120
agagnnanct caagttcgct ctcgagtctt tctgggatgg caagagcacc gccgaggatt 180
tgcagaaggt gtcttctgat ctcagggcat ccatctggaa gcagatngct gatgctggga 240
tcaagtacat cccanacaac actttctctc actatgacca ggtncctgac gccnccgcca 300
t 301

<210> 2728
<211> 316
<212> DNA
<213> Glycine max

angtcgcang	cacgcgtacg	taagctcgga	attcggcctcg	agtgcctcaa	cttgctccct	60
cagaagcgaa	gaagaagcca	cagagaacca	gtctcctact	ctctctcacc	cacaagaaaa	120
atggcatctc	acatcgttgg	atacccccgc	atgggtccca	agagagagct	caagttcgct	180
ctcgagtctt	tctgggatgg	caagagcagc	gccgaggatt	tgcagaaggt	ggctgctgat	240
ctcaggtcat	ccatctggaa	gcagatggct	ggctgctggga	tcaagtacat	cccagcaac	300
actttctcgt	tctatg					316

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<223>      unsure at all n locations
<400>      2729
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natctcangc	aagcgtacgt	attctcgnna	ttnggcnaag	aggcttcaac	ttgctccctc	60
agaancgaag	aagaagnnac	agananctan	tctcctactc	tcacccgcaa	gaanaaaatn	120
gcatttcaca	tcgttggata	cccccgatat	ggccccgaag	gagagctcaa	gttcgctctc	180
gagtctttct	gggatggcaa	gagcagcgcn	gaggatttgc	agaaggtgtc	ttctgatctc	240
agggcattca	tctggaagca	gatggctgat	gctgggatca	agtacatccc	cagcaacact	300
ttctctcata	tgccaccagg	tctcgaagcc				330

```
<223>      unsure at all n locations
<400>      2730
```

cccgatatggg	tcccaagaga	gagctcaagt	tcgctctoga	gtctttctgg	gatggcaaga	60
gcagcgccga	ggatttgcag	aaggtgtctt	ctgatctcag	ggcatccatc	tggaagcaga	120
ggctgatgct	gggatcaagt	acatccccag	caacactttc	tctcactatg	accaggttct	180
ngacgcnacc	gncannctcg	gtgntgtncc	atnaaggnan	gnntatanng	gttgtnatnn	240
nggntnnann	ntnttttcca	nqttntqcaq	q			271

<210> 2731
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2731

tcccgtacgt nagctcggaa ttcggctcgn ggcttcanc tgcctccctca gaagcgaaga 60
 agaagccaca gagaactagt ctctactcn canccncnag anaaaaatgg catctcacat 120
 cgttggatac ccccgatgc gtcccaagan agagctcaag ttcgctctcg agtctttctg 180
 ggatgcaaga gcagcgccga ggatttgag aaggtgtctt ctgatctcag ggcatccatc 240
 tggaagcaga tggctgatgc tgggatcaag tacatcccca gcaaacacttt ctctcactat 300
 gaccagggtc tcgacgca 318

<210> 2732
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2732

acangcatgc acngtacgt aagctcggaa ttcggctcga gctctgcttc aacttgctcc 60
 ctgagaagcg aagaagaagc cacagagaac tagtctccta cttcttcacc cgcaaganaa 120
 aaatggcatc tcacatcggt ggataccccc gtatgggtcc caaganagag ctcaacttcg 180
 ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg 240
 atctcagggc atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca 300
 acacttt 307

<210> 2733
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2733

ncgtcgcacg cagcgtacg tnagctcggaa attcggctcg agcttcaact tgcctccctca 60

gaagcgaaga agaagccaca gagaaccagt ctctactac tactctcacc cacaagaaaa 120
atggcatctc acatcggttg atacccccgc atgggtccca agagagagct caagttcgct 180
ctcgagtctt tctgggatgg caagagcagc gccgaggatt tgcagaaggt ggctgctgat 240
ctcaggtcat ccatctggaa gcagatggct ggtgctggga tcaagtacat cccagcaac 300
actt 304

<210> 2734
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2734

acacnagnaa atantctgca ngcacgcgta cgtaagctcg ncaanncggc tcgnggcttc 60
aacttgctcn ctcagancnc gaagangaag ccacagagna ccagtctccn nctctntntc 120
accacaaga naaatgncat ctcacatgcn tggatanccc cgcatgggtc ccnaganaga 180
gctcaagttc gcntctgagt ctttctggga tggcaagagc agcgccgagg atttgagaa 240
ggtggctgct gatctcaggt catccatctg gaagcagatg gctggtgctg ggatcaagta 300
catccccagc aacactttct cgttctatga cca 333

<210> 2735
<211> 299
<212> DNA
<213> Glycine max
<400> 2735

agtcgcatgc acgcgtacgt aagctcggaa ttcggctoga gcttgctccc tcagaagcga 60
agaagaagcc acagagaact agtctcctac tctcaccgc aagaaaaaaaa tggcatctca 120
catcgttgga taccgccgta tgggtcccaa gagagagctc aagttcgctc tcgagtcttt 180
ctgggatggc aagagcagcg ccgaggattt gcagaaggtg tcttctgac tcagggcatc 240
catctggaag cagatggctg atgctgggat caagtacatc cccagcaaca ctttctctc 299

<210> 2736
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2736

```
agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gtcagaagc gaagancna 60
gccacagaga actagtctgc ctactctcac ccgcaagana aaaatggcat ctcacatgcg 120
ttggataccc ccgtatgggt cccaagagag agctcaagtt cgctctcgag tctttctggg 180
atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg gcatccatct 240
ggaagcagat ggctgatgct gggatcaagt acatccccag caacactttc tctcactatg 300
accaggttct tcgacgcnac gccacctcgg tgc 333
```

<210> 2737
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2737

```
agtcgcangc acgcgtacgt aagctcgnan attcggctcg agttgctccc tcagcagcna 60
agaagaagcc acagagaact agtactcnct antctcaccc gcaagannna aatggcatct 120
cacatcgntg gatacccccg tatgggtccc aagagagagc tcnagtctgt nctcgagtct 180
ttctgggatg gcaagagcag cgccgaggat ttgcagaagg tgtcttctga tctcagggca 240
tccatctgga agcagatggc tgntgctggg atcaagtaca tccccagcaa cactttctct 300
nactatggcc agttctcnac 320
```

<210> 2738
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2738

```
gtcgcangca cgcgtacgta agctcggaa tccggctcga gtcacctcag aagcgaagaa 60
gaagccacag agaaccagtc tctactttct ctctcaccca caagaaaaat ggcattctcac 120
atcgttggat acccccgcac ggggtcccaag agagagctca agttcgctct cgagtctttc 180
tgggatggca agagcagcgc cgaggatttg cagaaggtgg ctgctgatct caggtcatcc 240
```